

Diary.

1912.

80

SBV 97.41.1 (24)

William Brewster,
145 Brattle St.
Cambridge,
Massachusetts,
U. S. A.

If this diary is lost
and found the finder
will be suitably rewarded
for restoring it to me
at the above address.

My foreign address is
in care of Brown, Shipley &
Co. Pall Mall, London.

THE
STANDARD

DIARY



For Sale by All Stationers.

PUBLISHED BY
THE STANDARD DIARY CO

FOR IDENTIFICATION.

My Name.....

My Residence.....

My Business Address.....

My Home Telephone.....

My Office Telephone.....

In case of accident or serious illness please notify

The make of my Automobile.....

Its number.....

Number on case of my Watch.....

Number of the works.....

Number of my Bank Book.....

My Weight was.....

On.....

and my Height.....feet.....inches

Size of Hat.....Gloves.....

" Hosiery.....Collar.....

" Cuffs.....Shoes.....

" Shirt.....Drawers.....

CALENDAR.

1912

	JUN.	MAY.	APRIL.	MAR.	FEB.	JAN.		DEC.	NOV.	OCT.	SEPT.	AUG.	JULY.		SAT.	FRI.	THUR.	WED.	TUES.	MON.	SUN.
	30	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12

CALENDAR.

1913

	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	DEC.	NOV.	OCT.	SEPT.	AUG.	JULY.	SAT.
Sun.	5	2	9	6	3	1	28	25	22	19	16	13	10
Mon.	6	3	10	7	4	2	29	26	23	20	17	14	11
Tues.	7	4	11	8	5	3	30	27	24	21	18	15	12
Wed.	8	5	12	9	6	4	31	28	25	22	19	16	13
Thur.	9	6	13	10	7	5	1	29	26	23	20	17	14
Fri.	10	7	14	11	8	6	2	30	27	24	21	18	15
Sat.	11	8	15	12	9	7	3	31	28	25	22	19	16
Sun.	12	9	16	13	10	8	4	1	29	26	23	20	17
Mon.	13	10	17	14	11	9	5	2	30	27	24	21	18
Tues.	14	11	18	15	12	10	6	3	31	28	25	22	19
Wed.	15	12	19	16	13	11	7	4	1	29	26	23	20
Thur.	16	13	20	17	14	12	8	5	2	30	27	24	21
Fri.	17	14	21	18	15	13	9	6	3	31	28	25	22
Sat.	18	15	22	19	16	14	10	7	4	1	29	26	23
Sun.	19	16	23	20	17	15	11	8	5	2	30	27	24
Mon.	20	17	24	21	18	16	12	9	6	3	31	28	25
Tues.	21	18	25	22	19	17	13	10	7	4	1	29	26
Wed.	22	19	26	23	20	18	14	11	8	5	2	30	27
Thur.	23	20	27	24	21	19	15	12	9	6	3	31	28
Fri.	24	21	28	25	22	20	16	13	10	7	4	1	29
Sat.	25	22	29	26	23	21	17	14	11	8	5	2	30
Sun.	26	23	30	27	24	22	18	15	12	9	6	3	31
Mon.	27	24	31	28	25	23	19	16	13	10	7	4	1
Tues.	28	25	1	29	26	24	20	17	14	11	8	5	2
Wed.	29	26	2	30	27	25	21	18	15	12	9	6	3
Thur.	30	27	3	31	28	26	22	19	16	13	10	7	4
Fri.	31	28	4	1	29	27	23	20	17	14	11	8	5
Sat.	1	29	5	2	30	28	24	21	18	15	12	9	6

RATES OF POSTAGE.

(Official at time of going to press, but subject to change.)

U. S. and Possessions, Canada, Mexico, Cuba and Shanghai.
 First class (letters, etc.) per oz. 2c
 Second class (newspapers, periodicals) 4 " 1c
 Third class (books, circulars) 2 " 1c
 Fourth class (merchandise, etc.) 1 " 1c
 Registration fee (extra postage) 10c
 Special delivery (" ") 10c
 Postal cards (reply cards 2c.) 1c
 Local or drop letters (where no free delivery) per oz. 1c
 Mail for officers or members of the crew of the U. S. Navy, wherever stationed, at domestic rates.

To Foreign Countries.

Letters for British Isles and Newfoundland 1 oz. 2c
 " for Germany 1 " 2c
 (If sent by German steamer) 1 " 5c
 " for other countries each additional oz. or fraction 3c
 Postal Cards (reply cards, 4c) 2c
 Newspapers and printed matter 2 oz. 1c
 Samples merchandise first 4 " 2c
 " every additional 2 " 1c
 Commercial papers first 10 oz. or fraction 6c
 " every additional 2 oz. 1c
 Registration Fee (extra postage) 10c
 Reply Coupons 6c
 Parcel Post (enquire at P. O.) per lb. 12c
 Money Orders (enquire at P. O.)

REFORWARDING.—Letters will be forwarded from one post office to another upon the *written* request of the person addressed without additional charge; but unclaimed packages *cannot be returned to the sender* until stamps are furnished to pay the return postage.

ALL MAILABLE MATTER not included in the above, so prepared for mailing as to be *easily withdrawn from the wrapper* and examined, is classified as merchandise. Limit of weight 4 lbs. Full prepayment compulsory.

MONEY ORDERS.—For sums not exceeding \$2.50, three cents; \$2.50 to \$5, five cents; \$5 to \$10, eight cents; \$10 to \$20, ten cents; \$20 to \$30, twelve cents; \$30 to \$40, fifteen cents; \$40 to \$50, eighteen cents; \$50 to \$60, twenty cents; \$60 to \$75, twenty-five cents; \$75 to \$100, thirty cents.

LEGAL HOLIDAYS.

In most States when the holiday falls on Sunday the Monday following is observed.

Legal Holidays in some States are observed as such only by common consent, or when appointed by the Governor, and not by legislative enactment.

- ALABAMA—Jan. 1 and 19, Feb. 22, Mardi-Gras, Good Friday, April 13 and 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25.
- ALASKA—Jan. 1, Feb. 22, July 4, Thanksgiving, Dec. 25.
- ARIZONA—Jan. 1, Feb. 22, Arbor Day, May 30, July 4, Labor Day, election day, Thanksgiving, Dec. 25.
- ARKANSAS—Jan. 1 and 19, Feb. 22, Arbor Day, July 4, Labor Day, Thanksgiving, Dec. 25.
- CALIFORNIA—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, July 4, Labor Day, Sept. 9, Oct. 12, Thanksgiving, Dec. 25, gen. election.
- COLORADO—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, July 4, Aug. 1, 1st. Mon. in Sept., Oct. 12, Thanksgiving, Dec. 25, general election.
- CONNECTICUT—Jan. 1, Feb. 12 and 22, Fast Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
- DELAWARE—Jan. 1, Feb. 12 and 22, May 30, July 4, 1st Mon. in Sept., Thanksgiving, Dec. 25, elec. day.
- DISTRICT OF COLUMBIA—Jan. 1, Feb. 22, Inauguration Day, May 30, July 4, 1st Mon. in Sept., Thanksgiving, Dec. 25.
- FLORIDA—Jan. 1 and 19, Arbor Day, Feb. 22, Good Friday, April 26, June 3, July 4, 1st Mon. in Sept., Thanksgiving, Dec. 25, general election.
- GEORGIA—Jan. 1 and 19, Feb. 12 and 22, April 26, June 3, July 4, 1st Monday in Sept., any Thanksgiving, 1st Friday in December, Dec. 25.
- HAWAII—Jan. 1, Feb. 22, May 30, June 11, July 4, Labor Day, Regatta Day, Thanksgiving, Dec. 25.
- IDAHO—Jan. 1, Feb. 22, Arbor Day, July 4, Labor Day, any day of Thanksgiving, Dec. 25, general election.
- ILLINOIS—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, elec. days.
- INDIANA—Jan. 1, Feb. 12 and 22, public fast, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, general election.

- IOWA—Jan. 1, Feb. 12 and 22, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, general election.
- KANSAS—Feb. 12 and 22, May 30, public fast, July 4, 1st Monday in September, Thanksgiving, Dec. 25, general election.
- KENTUCKY—Jan. 1, Feb. 22, May 30, July 4, public fast, Labor Day, Thanksgiving, Dec. 25, gen. election.
- LOUISIANA—Jan. 1 and 8, Feb. 22, Mardi-Gras in New Orleans, Good Friday, June 3, July 4, All Saints Day, Labor Day (Orleans Parish), Thanksgiving, Dec. 25, general election.
- MAINE—Jan. 1, Feb. 22, Arbor Day, Patriots' Day, May 30, July 4, 1st Mon. in Sept., Thanksgiving, Dec. 25.
- MARYLAND—Jan. 1, Feb. 22, Arbor Day, Good Friday, May 30, July 4, 1st Monday in September, Sept. 12, Oct. 12, Thanksgiving, Dec. 25, general election.
- MASSACHUSETTS—Feb. 22, April 19, May 30, July 4, 1st Monday in Sept., Oct. 12, Thanksgiving, Dec. 25.
- MICHIGAN—Jan. 1, Feb. 12 and 22, May 30, July 4, 1st Monday in September, Oct. 12, Fasting and Thanksgiving Day, Dec. 25, election days.
- MINNESOTA—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, 1st Monday in September, Thanksgiving, Dec. 25, Arbor Day, general election.
- MISSISSIPPI—Jan. 1, Feb. 22, April 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25.
- MISSOURI—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election days.
- MONTANA—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, public fast, July 4, 1st Monday in Sept., Oct. 12, Thanksgiving, Dec. 25, general election.
- NEBRASKA—Jan. 1, Feb. 22, April 22, Arbor Day, May 30, July 4, 1st Mon. in Sept., public fast, Thanksgiving, Dec. 25.
- NEVADA—Jan. 1, Feb. 12 and 22, May 30, July 4, Thanksgiving, Dec. 25, general election.
- NEW HAMPSHIRE—Jan. 1, Feb. 22, Fast Day, May 30, July 4, 1st Monday in September, Thanksgiving, Dec. 25, general election.
- NEW JERSEY—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, every Saturday P.M., general election.
- NEW MEXICO—Jan. 1, Arbor Day, Feb. 22, May 30, Flag Day, July 4, Thanksgiving, Dec. 25, gen. elec.
- NEW YORK—Jan. 1, Feb. 12 and 22, May 30, July 4, 1st Monday in Sept., Oct. 12, Thanksgiving, Dec. 25, general election, every Saturday P.M.

NORTH CAROLINA—Jan. 1 and 19, Feb. 22, April 12 May 10 and 20, July 4, Labor Day, Thanksgiving, Dec. 25, general election.

NORTH DAKOTA—Jan. 1, Feb. 12 and 22, May 30, elec. last Thursday in June, July 4, Arbor Day, Thanksgiving, public fast, Dec. 25, general election.

OHIO—Jan. 1, Feb. 22, May 30, July 4, 1st Monday in September, Thanksgiving, Dec. 25, general election.

OKLAHOMA—Jan. 1, Feb. 22, Arbor Day, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, election day.

OREGON—Jan. 1, Feb. 22, May 30, July 4, 1st Monday in September, public fast, Thanksgiving, Dec. 25, general election.

PENNSYLVANIA—Jan. 1, Feb. 12, spring election, Feb. 22, Good Friday, May 30, July 4, 1st Monday in Sept., Oct. 12, Thanksgiving, Dec. 25, general election, every Saturday P. M.

RHODE ISLAND—Jan. 1, Feb. 22, Arbor Day, May 30, July 4, 1st Monday in Sept., Oct. 12, Thanksgiving, Dec. 25, State election, general election, Flag Day.

SOUTH CAROLINA—Jan. 1 and 19, Feb. 22, May 10, June 3, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, general election.

SOUTH DAKOTA—Jan. 1, Feb. 12 and 22, May 30, Arbor Day, July 4, Labor Day, Thanksgiving, Dec. 25, general election.

TENNESSEE—Jan. 1, Feb. 22, Good Friday, 2d Friday in May, June 3, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, gen. election, every Sat. P. M.

TEXAS—Jan. 1, Feb. 22, March 2, April 21, June 3, July 4, 1st Mon. in September, days of Fasting and Thanksgiving, Dec. 25, election day.

UTAH—Jan. 1, Feb. 12 and 22, April 15, May 30, July 4, July 24, 1st Monday in Sept., Thanksgiving, Dec. 25, every Saturday P. M., general election.

VERMONT—Jan. 1, Feb. 22, Fast Day, May 30, July 4, Aug. 16, Labor Day, Thanksgiving, Dec. 25.

VIRGINIA—Jan. 1 and 19, Feb. 22, May 30, July 4, 1st Monday in September, Thanksgiving, Dec. 25, every Saturday P. M., general election.

WASHINGTON—Jan. 1, Feb. 12 and 22, Decoration Day, July 4, 1st Monday in September, Thanksgiving, Dec. 25, general election.

WEST VIRGINIA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, any day of National Thanksgiving, Dec. 25, general election.

WISCONSIN—Jan. 1, Feb. 22, May 30, Arbor Day, July 4, 1st Monday in September, election last Tuesday in Sept., Thanksgiving, Dec. 25, general election.

WYOMING—Jan. 1, Feb. 12 and 22, May 30, July 4, Arbor Day, Labor Day, Thanksgiving, Dec. 25, gen. election.

POPULATION OF THE UNITED STATES.

POPULATION OF THE UNITED STATES—CONTINUED			
	1901	1901	
883,114	275,061		
300,220	781,782	1910	1900
Alabama.....	2,138,093	1,828,697	
Arizona.....	204,354	122,931	
Arkansas.....	1,574,449	1,311,564	
California.....	2,377,549	1,485,053	
Colorado.....	799,024	539,700	
Connecticut.....	1,114,756	908,420	
Delaware.....	202,322	184,735	
Dist. of Columbia.....	381,069	278,718	
Florida.....	752,619	528,642	
Georgia.....	2,609,121	2,216,331	
Idaho.....	325,594	161,772	
Illinois.....	5,638,591	4,821,550	
Indiana.....	2,700,876	2,516,462	
Iowa.....	2,224,771	2,231,853	
Kansas.....	1,690,949	1,470,495	
Kentucky.....	2,289,905	2,147,174	
Louisiana.....	1,656,388	1,381,625	
Maine.....	742,371	694,466	
Maryland.....	1,294,450	1,188,044	
Massachusetts.....	3,366,416	2,805,346	
Michigan.....	2,810,173	2,420,982	
Minnesota.....	2,075,708	1,751,394	
Mississippi.....	1,797,114	1,551,270	
Missouri.....	3,293,335	3,106,665	
Montana.....	876,053	243,329	
Nebraska.....	1,192,214	1,066,300	
Nevada.....	81,875	42,335	

POPULATION OF THE UNITED STATES—CONTINUED.

	1910	1900
New Hampshire.....	430,572	411,588
New Jersey.....	2,537,167	1,883,669
New Mexico.....	327,396	195,310
New York.....	9,113,614	7,268,894
North Carolina.....	2,206,287	1,893,810
North Dakota.....	577,056	319,146
Ohio.....	4,767,121	4,157,545
Oklahoma.....	1,657,155	790,391
Oregon.....	672,765	413,536
Pennsylvania.....	7,665,111	6,302,115
Rhode Island.....	542,674	428,556
South Carolina.....	1,515,400	1,340,316
South Dakota.....	583,888	401,570
Tennessee.....	2,184,789	2,020,616
Texas.....	3,896,542	3,048,710
Utah.....	373,351	276,749
Vermont.....	355,956	343,641
Virginia.....	2,061,612	1,854,184
Washington.....	1,141,990	518,103
West Virginia.....	1,221,119	958,800
Wisconsin.....	2,333,860	2,069,042
Wyoming.....	145,965	92,531
Alaska.....	64,356	63,592
Hawaii.....	191,909	154,001
Porto Rico.....	1,118,012	953,243
Military and Naval.....	55,608	91,219
United States.....	93,401,414	77,256,630

POPULATION OF PRINCIPAL CITIES.

	1910	1900
Akron, O.....	69,067	42,728
Albany, N. Y.....	100,253	94,151
Allentown, Pa.....	51,913	35,416
Altoona, Pa.....	52,127	38,973
Atlanta, Ga.....	154,839	89,872
Atlantic City, N. J.....	46,150	27,838
Baltimore, Md.....	558,485	508,957
Bay City, Mich.....	45,166	27,628
Bayonne, N. J.....	55,545	32,722
Binghamton, N. Y.....	48,443	39,647
Birmingham, Ala.....	132,685	38,415
Boston, Mass.....	670,585	560,892
Bridgeport, Conn.....	102,054	70,996
Brockton, Mass.....	56,878	40,063
Brooklyn, N. Y.....	1,634,351	1,166,582
Buffalo, N. Y.....	423,715	352,387
Cambridge, Mass.....	104,839	91,886
Camden, N. J.....	94,538	75,935
Canton, O.....	50,217	30,667
Charleston, S. C.....	58,833	55,807
Chattanooga, Tenn.....	44,604	30,154
Chicago, Ill.....	2,185,283	1,698,575
Cincinnati, O.....	364,463	325,902
Cleveland, O.....	560,663	381,768
Columbus, O.....	181,548	125,560
Covington, Ky.....	53,270	42,938
Dallas, Tex.....	92,104	42,638
Dayton, O.....	116,577	85,333
Denver, Col.....	213,381	133,859
Des Moines, Ia.....	86,368	62,139
Detroit, Mich.....	465,766	285,704
Duluth, Minn.....	78,466	52,969
East St. Louis, Ill.....	58,547	29,655
Elizabeth, N. J.....	73,409	52,130
Erie, Pa.....	66,525	52,733
Evansville, Ind.....	69,647	59,007
Fall River, Mass.....	119,295	104,863
Fort Wayne, Ind.....	63,933	45,115
Fort Worth, Tex.....	73,312	26,688
Grand Rapids, Mich.....	112,571	87,565
Harrisburg, Pa.....	64,186	50,167
Hartford, Conn.....	98,915	79,850

POPULATION OF PRINCIPAL CITIES—CONTINUED.

	1910	1900
Haverhill, Mass.	44,115	37,175
Hoboken, N. J.	70,324	59,364
Holyoke, Mass.	57,730	45,712
Houston, Tex.	78,800	44,633
Indianapolis, Ind.	233,650	169,164
Jacksonville, Fla.	57,699	28,429
Jersey City, N. J.	267,779	206,433
Johnstown, Pa.	55,482	35,936
Kansas City, Kan.	82,331	51,418
Kansas City, Mo.	248,381	163,752
Lancaster, Pa.	47,227	41,459
Lawrence, Mass.	85,892	62,559
Lincoln, Neb.	43,973	40,169
Little Rock, Ark.	45,941	38,307
Los Angeles, Cal.	319,198	102,479
Louisville, Ky.	223,924	204,731
Lowell, Mass.	106,294	94,969
Lynn, Mass.	89,336	68,513
Malden, Mass.	44,404	33,664
Manchester, N. H.	70,063	56,987
Memphis, Tenn.	131,105	102,320
Milwaukee, Wis.	373,857	285,315
Minneapolis, Minn.	301,408	202,718
Mobile, Ala.	51,521	38,469
Nashville, Tenn.	110,364	80,865
Newark, N. J.	347,469	246,070
New Bedford, Mass.	96,652	62,442
New Britain, Conn.	43,916	25,998
New Haven, Conn.	133,605	108,027
New Orleans, La.	339,075	287,104
New York, N. Y.	4,766,883	3,437,202
Norfolk, Va.	67,452	46,624
Oakland, Cal.	150,174	66,960
Oklahoma City, Okla.	64,205	10,037
Omaha, Neb.	124,096	102,555
Passaic, N. J.	54,773	27,777
Paterson, N. J.	125,600	105,171
Pawtucket, R. I.	51,622	39,231
Peoria, Ill.	66,950	56,100
Philadelphia, Pa.	1,549,008	1,293,697
Pittsburg and Allegheny, Pa.	533,905	451,512
Portland, Me.	58,571	50,145
Portland, Ore.	207,214	90,426

POPULATION OF PRINCIPAL CITIES—CONTINUED.

	1910	1900
Providence, R. I.	224,326	175,597
Pueblo, Col.	44,395	28,157
Reading, Pa.	96,071	78,961
Richmond, Va.	127,628	85,050
Rochester, N. Y.	218,149	162,608
Rockford, Ill.	45,401	31,051
Sacramento, Cal.	44,696	29,282
Saginaw, Mich.	50,510	42,345
Saint Joseph, Mo.	77,403	102,979
Saint Louis, Mo.	687,029	575,238
Saint Paul, Minn.	214,744	163,065
Salem, Mass.	43,697	35,956
Salt Lake City, Utah.	92,777	53,531
San Antonio, Tex.	96,614	53,321
San Francisco, Cal.	416,912	342,782
Savannah, Ga.	65,064	54,244
Schenectady, N. Y.	72,826	31,682
Scranton, Pa.	129,867	102,026
Seattle, Wash.	237,194	80,671
Sioux City, Ia.	47,828	33,111
Somerville, Mass.	77,236	61,643
South Bend, Ind.	53,684	35,999
Spokane, Wash.	104,402	36,848
Springfield, Ill.	51,678	34,159
Springfield, Mass.	88,926	62,059
Springfield, O.	46,921	38,253
Syracuse, N. Y.	137,249	108,374
Tacoma, Wash.	83,743	37,714
Terre Haute, Ind.	58,157	36,673
Toledo, O.	168,497	131,822
Topeka, Kan.	43,684	33,608
Trenton, N. J.	96,815	73,307
Troy, N. Y.	76,813	60,651
Utica, N. Y.	74,419	56,383
Washington, D. C.	331,069	278,718
Waterbury, Conn.	73,141	45,859
Wichita, Kan.	52,450	24,671
Wilkesbarre, Pa.	67,105	51,721
Wilmington, Del.	87,411	76,508
Worcester, Mass.	145,986	118,421
Yonkers, N. Y.	79,803	47,931
York, Pa.	44,750	33,708
Youngstown, O.	79,066	44,885

ECLIPSES FOR THE YEAR.

In the year 1912 there will be four Eclipses, two of the Sun and two of the Moon.

I. A PARTIAL ECLIPSE OF THE MOON, April 1-2. Invisible to the United States. Visible to Europe, Asia and Africa, and in part to the northeastern tip of North America, South America except the northwest portion, and the western portion of Australia.

II. A CENTRAL ECLIPSE OF THE SUN, April 17. Visible to the eastern portion of North America, the West Indies, the northern and northeastern portions of South America, Europe, northwest Africa, and the western part of Asia. Occurring as a partial eclipse as follows:

	Standard	Begins.	Ends.
Boston	Eastern	5h. 15m. M.	6 41 M.
New York ..	"	Before sunrise.	6 38 M.
Pittsburgh ..	"	" "	6 36 M.
Washington ..	"	" "	6 35 M.
Charleston ..	"	Middle before sunrise.	6 28 M.
Cincinnati ..	Central	" " "	5 33 M.
Chicago	"	" " "	5 36 M.
St. Paul	"	" " "	5 40 M.
Nashville ..	"	" " "	5 30 M.
St. Louis ...	"	" " "	5 33 M.
Atlanta	"	" " "	5 28 M.

III. A PARTIAL ECLIPSE OF THE MOON, September 26. Visible to the central and western portions of North America, Australia and the Pacific Ocean, and in part to the eastern portions of Asia. Occurring as follows:

Standard.....	Central.	Mountain.	Pacific.
	h. m.	h. m.	h. m.
M'n enters shadow	5 3 M.	4 3 M.	3 3 M.
Middle of eclipse..	5 45 M.	4 45 M.	3 45 M.
M'n leaves shadow	6 26 M.	5 26 M.	4 26 M.

First contact of shadow, 8 degrees from the north point of the Moon's limb toward the west.
Magnitude of Eclipse, 0.122 (Moon's diameter, 1.0).

IV. A TOTAL ECLIPSE OF THE SUN, October 10. Visible to the southeast tip of the United States, the southern part of Mexico, Central America, the West Indies, South America and the southern end of Africa. Occurring as a small partial eclipse as follows:

	Standard	Begins.	Ends.
		h. m.	h. m.
Charleston ..	Eastern.	6 27 M.	7 7 M.
Savannah...	Central.	Just before sunrise.	6 11 M.
Atlanta	"	Before sunrise.	6 5 M.
Jacksonville	"	" "	6 18 M.
Mobile.....	"	Middle before sunrise.	6 18 M.
New Orleans	"	" " "	6 21 M.
Galveston..	"	" " "	6 25 M.

BUSINESS LAWS IN BRIEF.

It is a fraud to conceal a fraud.
A note given by a minor is void.
Ignorance of the law excuses no one.
A contract made with a lunatic is void.
A contract made with a minor is invalid.
The acts of one partner bind all the others.
An agreement without consideration is void.
The law compels no one to do impossibilities.
Contracts made on Sunday cannot be enforced.
Signatures made in lead pencil are good in law.
A receipt for money paid is not legally conclusive.
Principals are responsible for the acts of their agents.
It is not legally necessary to say on a note "for value received."
Each individual in a partnership is responsible for the whole amount of the debts of the firm.
Checks or drafts must be presented for payment without unreasonable delay.
If the time of payment of a note is not inserted, it is held payable on demand.
A note obtained by fraud, or from a person in a state of intoxication, cannot be collected.

WEIGHTS AND MEASURES.

MEASURE OF LENGTH.

4	In. = 1 Hand.	3	Feet = 1 Yard.
7 ⁹²	In. = 1 Link.	5 ¹	Yds. = 1 Rod or Pole
18	In. = 1 Cubit.	40	Poles = 1 Furlong
12	In. = 1 Foot.	8	Fur. = 1 Mile.
6	Ft. = 1 Fathom.	69 1-6	Miles = 1 Degree.

60 Geographical Miles = 1 Degree.

1760 Yards }
5280 Feet } = 1 Mile.

MEASURE OF SURFACE.

144	Square Inches = 1 Square Foot.
9	Square Feet = 1 Square Yard.
36	Square Yards = 1 Sq. Rod, Perch or Pole
40	Square Rods = 1 Square Rod.
4	Square Rods = 1 Acre.
	Gunter's Chain = 22 Yards or 100 Links.
10	Square Chains = 1 Acre.
640	Acres = 1 Square Mile.
272 ¹	Square Feet = 1 Square Rod.
43,560	Square Feet = 1 Acre.

MEASURE OF SOLIDITY.

1728	Cubic Inches = 1 Cubic Foot.
27	Cubic Feet = 1 Cubic Yard.

AVOIRDUPOIS WEIGHT.

27 ¹	Grains = 1 Drachm (dr.) or 27 ¹	Grains
16	Drachms = 1 Ounce (oz.) or 437 ³	"
16	Ounces = 1 Pound (lb.) or 7000	"
28	Pounds = 1 Quarter (qr.)	
4	Quarters = 1 Hundred-Weight (cwt)	
20	Cwts. = 1 Ton.	
2240	Pounds = 1 Ton.	

TROY WEIGHT.

24	Grains = 1 Pennyweight, or 24 Grains.
20	Pennywts = 1 Ounce, or 480 "
12	Ounces = 1 Pound, or 5760 "

APOTHECARIES' WEIGHT.

20	Grains = 1 Scruple.	8	Drachms = 1 Ounce.
3	Scruples = 1 Drachm.	12	Ounces = 1 Pound.

INTEREST LAWS OF ALL THE STATES.

STATES AND TERRITORIES.	Days of Grace			Interest Rates	PENALTY OF USURY.
	Notes.	Sigs. Drafts.	Legal.	SPECIAL OR CONTRACT.	
Alabama	No	No	8	8 per ct.	Forft. of all int.....
Alaska	Yes	No	8	12 per ct.	None.....
Arizona	No	No	6	No limit.	None.....
Arkansas	Yes	Yes	6	10 per ct.	Forft. principal & int.
California	No	No	7	No limit.	None.....
Colorado	No	No	8	No limit.	None.....
Connecticut	No	No	6	No limit.	None.....
Delaware	No	No	6	6 per ct.	Forfeiture principal.
District of Col.	No	No	10	10 per ct.	Forft. of entire int...
Florida	No	No	8	10 per ct.	Forft. of entire int...
Georgia	No	No	7	8 per ct.	Forft. of excess of int.
Hawaiian Isl's.	No	No	8	12 per ct.	
Idaho	No	No	8	12 per ct.	Eft. int. & 10 p. ct. prin.
Illinois	No	No	5	7 per ct.	Forft. of entire int...
Indiana	No	No	8	8 per ct.	Forft. int. over 6 p. ct.
Iowa	No	No	8	10 per ct.	8 p. int. costs, etc.
Kansas	No	No	6	10 per ct.	Eft twice ex. over 10 p. ct.
Kentucky	No	No	6	6 per ct.	Forft. excess of int...
Louisiana	No	No	5	8 per ct.	Forft. of interest.....
Maine	No	Yes	6	No limit.	None.....
Maryland	No	Yes	6	6 per ct.	Forft. entire interest.
Massachusetts	No	Yes	6	No limit.	None.....
Michigan	No	Yes	5	7 per ct.	Forft. of interest.....
Minnesota	No	Yes	6	10 per ct.	Forft. of prin. & int...
Mississippi	Yes	Yes	6	10 per ct.	Forft. of interest.....
Missouri	No	No	6	8 per ct.	Forfeiture 10 percent
Montana	No	No	8	No limit.	None.....
Nebraska	No	No	7	10 per ct.	Forft. entire interest.
Nevada	Yes	No	7	No limit.	None.....
New Hampshire	No	Yes	6	6 per ct.	Eft. treble exc. of int
New Jersey	No	No	6	6 per ct.	Forft. int. & costs.....
New Mexico	Yes	Yes	6	12 per ct.	Forft. of prin. & int...
New York	No	No	6	6 per ct.	Forft. of prin. & int...
North Carolina	No	No	6	6 per ct.	Eft. dbl. amt. of int...
North Dakota	No	No	7	12 per ct.	Forft. excess of int...
Ohio	No	No	6	8 per ct.	Forft. excess of int...
Oklahoma	Yes	Yes	6	10 per ct.	
Oregon	No	No	6	10 per ct.	Eft. prin. & int.....
Pennsylvania	No	No	6	6 per ct.	Forft. excess of int...
Philippine Isl's.	No	No	6	No limit.	None.....
Porto Rico	No	No	6	12 per ct.	None.....
Rhode Island	No	Yes	6	No limit.	None.....
South Carolina	Yes	Yes	7	8 per ct.	Forfeit of interest...
South Dakota	Yes	Yes	7	12 per ct.	Forft. int. fine imp't
Tennessee	No	No	6	6 per ct.	Forft. excess of int...
Texas	Yes	Yes	6	10 per ct.	Forft. entire interest.
Utah	No	No	8	12 per ct.	None.....
Vermont	No	No	6	6 per ct.	Forft. of excess.....
Virginia	No	No	6	8 per ct.	Forft. entire interest.
Washington	No	No	6	12 per ct.	Dbl. amt. int. & costs
West Virginia	No	No	6	6 per ct.	Forfeit. of excess int.
Wisconsin	No	No	6	10 per ct.	Eft. treble amt. ex. int.
Wyoming	No	No	8	12 per ct.	Forft. entire interest.

HELPI In Case of Accidents.

Drowning. 1. Loosen clothing, if any. 2. Empty lungs of water by laying body on its stomach and lifting by the middle so that the head hangs down. Jerk the body a few times. 3. Pull tongue forward, using handkerchief, or pin with string, if necessary. 4. Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. 5. Apply warmth and friction to extremities. 6. By holding tongue forward, closing the nostrils and pressing the "Adam's apple" back (so as to close entrance to stomach) direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. 7. DON'T GIVE UP! People have been saved after HOURS of patient, vigorous effort. 8. When breathing begins get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air and quiet.

Burns and Scalds. Cover with cooking soda and lay wet cloths over it. Whites of eggs and olive oil. Olive or linseed oil, plain or mixed with chalk or whiting.

Lightning. Dash cold water over a person struck.

Sunstroke. Loosen clothing. Get patient into shade and apply ice-cold water to head.

Mad Dog or Snake Bite. Tie cord tight above the wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife.

Venomous Insects' Stings, etc. Apply weak ammonia, oil, salt water or iodine.

Fainting. Place flat on back; allow fresh air and sprinkle with water.

Electricity. Release from current—not touching body or wire with hands, metal or a wet stick. Handle body by its clothing, with rubber gloves and shoes if possible; if not, cover hands with dry woollen cloth and stand on dry boards. Then induce artificial respiration as in case of drowning. Rub limbs and massage body.

ANTIDOTES FOR POISONS.

First. Send for a Physician.

Second. INDUCE VOMITING, by tickling throat with feather or finger, drinking hot water or strong Mustard and water. Swallow Sweet Oil or whites of Eggs.

Acids are antidotes for ALKALIES, and *vice versa*.

SPECIAL POISONS AND ANTIDOTES.

Acids. MURIATIC. OXALIC. } Soap-suds, Magnesia, Lime-water.
ACETIC. SULPHURIC (Oil of Vitriol). NITRIC (Aqua Fortis).

Prussic Acid. Ammonia in water. Dash water in face.

Carbolic Acid. Flour and water, mucilaginous drinks.

Alkalies. POTASH. LYE. } Vinegar or Lemon juice in
HARTSHORN. AMMONIA. } water.

Arsenic. } Milk, raw Eggs, Sweet Oil, Lime-
Rat Poison. } water, Flour and water.
Paris Green. }

Bug Poison. }
Lead. }

Saltpetre. } Whites of Eggs, or Milk
Corrosive Sublimate. } in large doses.

Sugar of Lead. }

Blue Vitriol. } Dash cold water on head and chest.
Chloroform. } Artificial respiration. Piece of ice
Chloral. } in rectum.

Ether. }

Carbonate of Soda. } Soap-suds and mucilaginous drinks.
Copperas. Cobalt. }

Iodine. } Starch and water. Astringent infusions. Strong tea.
Antimony. }

Tartar Emetic. } Whites of Eggs. Milk.
Mercury AND ITS SALTS. } Mucilages.

Nitrate of Silver. } Salt and water.
Lunar Caustic. }

Strychnine. } Mustard and water, Sulphate of Zinc. Absolute quiet. Plug the ears.
Tinct. of Nux Vomica. }

PRESIDENTS OF THE UNITED STATES.

No.	NAMES.	Born.	Inaugurated.	Term of Office.	Died.	Native of
1	GEORGE WASHINGTON	Feb. 22, 1732	April 30, 1789	8 years.	Dec. 14, 1799	Virginia.
2	JOHN ADAMS	Oct. 3, 1735	Mar. 4, 1797	4 "	July 4, 1826	Mass.
3	THOMAS JEFFERSON	April 2, 1743	Mar. 4, 1801	8 "	July 4, 1826	Virginia.
4	JAMES MADISON	Mar. 16, 1751	" 4, 1809	8 "	June 28, 1836	"
5	JAMES MONROE	April 28, 1758	" 4, 1817	8 "	July 4, 1831	Mass.
6	JOHN QUINCY ADAMS	July 11, 1767	" 4, 1825	4 "	Feb. 23, 1848	S. Carolina.
7	ANDREW JACKSON	Mar. 15, 1767	" 4, 1829	8 "	June 8, 1845	New York.
8	MARTIN VAN BUREN	Dec. 5, 1782	" 4, 1837	4 "	July 24, 1862	Virginia.
9	WM. H. HARRISON	Feb. 9, 1773	" 4, 1841	1 month	April 4, 1841	N. Carolina.
10	JOHN TYLER	Mar. 29, 1790	April 4, 1841	4 yrs. 11 mos.	Jan. 18, 1862	"
11	JAMES K. POLK	Nov. 2, 1795	Mar. 4, 1845	4 years.	June 15, 1849	N. Carolina.
12	ZACHARY TAYLOR	Sept. 24, 1784	" 4, 1849	1 year 4 mos.	July 9, 1850	Virginia.
13	MILLARD FILLMORE	Feb. 7, 1800	July 9, 1850	2 years 8 mos.	Mar. 8, 1859	New York.
14	FRANKLIN PIERCE	Nov. 23, 1804	Mar. 4, 1853	4 years.	Oct. 8, 1869	N. Hamp.
15	JAMES BUCHANAN	April 23, 1809	" 4, 1857	4 "	June 1, 1868	Penn.
16	ABRAHAM LINCOLN	Feb. 12, 1809	" 4, 1861	4 yrs. 40 days.	April 15, 1865	Kentucky.
17	ANDREW JOHNSON	Dec. 29, 1808	April 15, 1865	3 yrs. 10 mos.	July 31, 1875	N. Carolina.
18	ULYSSES S. GRANT	April 27, 1822	Mar. 4, 1869	8 years.	July 23, 1885	Ohio.
19	RUTHERFORD B. HAYES	Oct. 4, 1822	" 4, 1877	4 "	Jan. 17, 1893	"
20	JAMES A. GARFIELD	Nov. 19, 1831	" 4, 1881	64 months.	Sept. 19, 1881	Vermont.
21	CHESTER A. ARTHUR	Oct. 5, 1830	Mar. 4, 1881	3 yrs. 5 mos.	Nov. 18, 1886	New Jersey.
22	GROVER CLEVELAND	Mar. 18, 1837	Mar. 4, 1885	4 years.	June 24, 1908	Ohio.
23	BENJAMIN HARRISON	Aug. 20, 1833	" 4, 1889	4 "	Mar. 13, 1901	Ohio.
24	GROVER CLEVELAND	Mar. 18, 1837	" 4, 1893	4 "	June 24, 1908	Ohio.
25	WILLIAM MCKINLEY	Jan. 27, 1843	" 4, 1897	4 yrs. 6 mos.	Sept. 14, 1901	Ohio.
26	THEODORE ROOSEVELT	Oct. 27, 1858	Sept. 14, 1901	7 yrs. 5 mos.	Sept. 14, 1901	New York.
27	WM. HOWARD TAFT	Sept. 15, 1857	Mar. 4, 1909	51 mos.		Ohio.

STANDARD TIME.

In this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Tides are given in STANDARD TIME.

To change to STANDARD TIME add or subtract the minutes as given below, according as they are marked *plus* or *minus*.

Correction for the following Cities.

Eastern Standard. 75° Longitude.	Central Standard. 90° Longitude.
Minutes.	Minutes.
Bangor, Me. - 25	Cleveland, Ohio. - 33
Augusta, Me. - 21	Columbus, Ohio. - 28
Portland, Me. - 19	Detroit, Mich. - 28
Boston, Mass. - 16	Toledo, Ohio. - 26
Newport, R. I. - 15	Dayton, Ohio. - 23
Providence, R. I. - 14	Cincinnati, Ohio. - 22
Coucord, N. H. - 14	Louisville, Ky. - 18
New London, Conn. - 11	Indianapolis, Ind. - 16
Springfield, Mass. - 10	Chicago, Ill. - 10
Montpelier, Vt. - 10	Milwaukee, Wis. - 8
Hartford, Conn. - 9	Springfield, Ill. - 2
Montreal, P. Q. - 6	Memphis, Tenn. 0
Albany, N. Y. - 5	New Orleans, La. 0
New York, N. Y. - 4	St. Louis, Mo. + 1
Utica, N. Y. + 1	Rock Island, Ill. + 3
Philadelphia, Pa. + 1	Dubuque, Iowa. + 3
Syracuse, N. Y. + 5	Burlington, Iowa. + 5
Baltimore, Md. + 6	St. Paul, Minn. + 12
Washington, D. C. + 8	Des Moines, Iowa. + 14
Rochester, N. Y. + 11	Kansas City, Mo. + 18
Buffalo, N. Y. + 16	Galveston, Texas. + 19
Pittsburg, Pa. + 20	Omaha, Neb. + 24
Mountain Standard. 105° Longitude.	Pacific Standard. 120° Longitude.
Denver, Col. 0	Sacramento, Cal. + 6
Salt Lake City, Utah. + 28	San Francisco, Cal. ... + 10

TIDE TABLE

*To Find High Water (Standard Time) Add to, or
Subtract from, High Water at New York.*

EASTERN STANDARD.		Mean Range. Feet.
	H. M.	
Eastport, Me.....	add 2 37	18.2
Bar Harbor, Me.....	" 2 31	10.5
Rockland, Me.....	" 2 44	9.7
Portland, Me.....	" 2 52	8.9
Portsmouth, N. H.....	" 3 6	9.2
Isle of Shoals, N. H.....	" 3 1	8.7
Newburyport, Mass.....	" 3 6	7.9
Rockport, Mass.....	" 2 39	8.6
Gloucester, Mass.....	" 2 45	8.9
Salem, Mass.....	" 3 0	9.0
Marblehead, Mass.....	" 2 52	9.2
Nahant, Mass.....	" 2 53	9.3
Hull, Mass.....	" 2 53	9.5
Plymouth, Mass.....	" 3 2	9.6
Provincetown, Mass.....	" 3 10	9.2
Nantucket, Mass.....	" 4 9	3.1
Vineyard Haven, Mass.....	" 3 25	1.7
Wood's Hole (North Side), Mass.....	sub. 0 18	4.1
Wood's Hole (South Side), Mass.....	add 0 19	1.7
New Bedford Entrance (Dumpling Rock), Mass.....	sub. 0 17	3.8
Newport, R. I.....	" 0 31	3.5
Bristol, R. I.....	" 0 13	4.1
Providence, R. I.....	" 0 2	4.4
Point Judith, R. I.....	" 0 42	3.1
New Shoreham, Block Island, R. I....	" 0 41	3.0
Watch Hill, R. I.....	add 0 36	2.7

TIDE TABLE—CONTINUED.

EASTERN STANDARD.		Mean Range. Feet.
	H. M.	
Stonington, Conn.....	add 0 57	2.7
New London, Conn.....	" 1 14	2.5
Norwich, Conn.....	" 1 55	3.1
New Haven, Conn.....	" 3 0	6.0
Bridgeport, Conn.....	" 3 2	7.2
Throg's Neck, N. Y.....	" 3 4	7.3
Montauk Point, L. I.....	" 0 7	2.0
Coney Island, L. I.....	sub. 0 29	4.7
West Point, N. Y.....	add 3 2	2.8
Long Branch, N. J.....	sub. 0 43	4.3
Ocean Grove, N. J.....	" 0 41	4.2
Cape May Landing, N. J.....	" 0 10	4.6
Newcastle, Del.....	add 3 40	6.4
League Island, Pa.....	" 5 26	5.4
Philadelphia, Pa.....	" 5 56	5.3
Annapolis, Md.....	sub. 3 12	0.9
Baltimore, Md.....	" 1 20	1.2
Old Point Comfort, Va.....	add 0 49	2.5
Richmond, Va.....	sub. 3 32	3.7
Hatteras Inlet, N. C.....	" 0 53	2.0
Beaufort, N. C.....	" 0 32	2.8
Charleston (C. H. Wharf), S. C.....	" 0 15	5.2
CENTRAL STANDARD.		Mean Range. Feet.
	H. M.	
Fort Pulaski (Savannah Ent.), Ga....	sub. 1 18	6.9
Savannah (Dry Dock Wharf), Ga.....	" 0 23	6.5
Jacksonville, Fla.....	add 0 19	1.0
St. Augustine, Fla.....	sub. 0 14	4.2
Key West, Fla.....	add 0 47	1.2
Tampa Bay (Egmont Key), Fla.....	" 3 3	1.4
Cedar Keys (Depot Key), Fla.....	" 4 39	2.4

VALUES OF FOREIGN COINS.

The following estimate, by the Director of the Mint, of the values of Foreign Coins, is proclaimed by the Secretary of the Treasury, in pursuance of the provisions of section 25 of the Act of August 28, 1894, to be the values of such coins in terms of the money of account of the United States, to be followed in estimating the value of all foreign merchandise exported to the United States on or after January 1, 1911, expressed in any of such metallic currencies:

COUNTRY.	STANDARD.	MONETARY UNIT.	VALUE.
			D. C. M.
Argentine Rep..	Gold	Peso	0 96 5
Austria-Hungary	Gold	Crown	0 20 3
Belgium	Gold	Franc	0 19 3
Bolivia	Gold	Boliviano	0 38 9
Brazil	Gold	Milreis	0 54 6
British America	Gold	Dollar	1 00
Costa Rica	Gold	Colon	0 46 5
Chili	Gold	Peso	0 36 5
China	Silver	Tael. { Shanghai. Haikwan. (Customs).	0 60 4 0 67 3
Colombia	Gold	Dollar	1 00
Denmark	Gold	Crown	0 26 8
Ecuador	Gold	Sucre	0 48 7
Egypt	Gold	Pound (100 piastres)	4 94 3
Finland	Gold	Mark	0 19 3
France	Gold	Franc	0 19 3
German Empire	Gold	Mark	0 23 8
Great Britain	Gold	Pound sterling	4 86 6½
Greece	Gold	Drachma	0 19 3
Haiti	Gold	Gourde	0 96 5
India (British)	Gold	Rupee	0 32 4½
Italy	Gold	Lira	0 19 3
Japan	Gold	Yen	0 49 8
Liberia	Gold	Dollar	1 00

VALUES OF FOREIGN COINS.

COUNTRY.	STANDARD.	MONETARY UNIT.	VALUE
Mexico	Gold	Peso	0 49 8
Netherlands	Gold	Florin	0 40 2
Newfoundland	Gold	Dollar	1 14
Norway	Gold	Crown	0 26 8
Panama	Gold	Balboa	1 00
Persia	Gold	Krau	0 17 0½
Peru	Gold	Libra	4 86 6½
Philippine Islds.	Gold	Peso	0 50 0
Portugal	Gold	Milreis	1 80
Russia	Gold	Ruble	0 51 5
Spain	Gold	Peseta	0 19 3
Sweden	Gold	Crown	0 26 8
Switzerland	Gold	Franc	0 19 3
Turkey	Gold	Piaster	0 44
Uruguay	Gold	Peso	1 34
Venezuela	Gold	Bolivar	0 19 3

FESTIVALS AND FASTS.

Epiphany	Jan. 6
Septuagesima Sunday	Feb. 4
Quinquagesima — Shrove Sunday	Feb. 18
Ash Wednesday	Feb. 21
First Sunday in Lent	Feb. 25
St. Patrick	Mar. 17
Palm Sunday	Mar. 31
Good Friday	April 5
Easter Sunday	April 7
Low Sunday	April 14
Rogation Sunday	May 12
Ascension Day — Holy Thursday	May 16
Pentecost — Whit Sunday	May 26
Trinity Sunday	June 2
Corpus Christi	June 6
St. John Baptist	June 24
Michaelmas Day	Sept. 29
St. Andrew	Nov. 30
First Sunday in Advent	Dec. 1
Christmas Day	Dec. 25

AMOUNT MULTIPLYING THE DIVIDEND BY THE FACTOR.

Multiply the principal by as many hundredths as there are days, and

For 4 per cent.....	Divide by 90
" 5 " " " " " " " " " " " "	" " 72
" 6 " " " " " " " " " " " "	" " 60
" 7 " " " " " " " " " " " "	" " 54
" 8 " " " " " " " " " " " "	" " 45
" 9 " " " " " " " " " " " "	" " 40
" 10 " " " " " " " " " " " "	" " 36
" 12 " " " " " " " " " " " "	" " 30

EXAMPLE—INTEREST on \$50 for 30 days at 4%.
 $50 \times .30 = 15.00$, which divided by 90 = 16 $\frac{2}{3}$ cents—the required result.

THE SEASONS.

	Eastern Standard.	Central Standard.
Vernal Equinox.....	Mar. 20, 6h. A.	Mar. 20, 5h. A.
Summer Solstice.....	June 21, 2h. A.	June 21, 1h. A.
Autumnal Equinox.....	Sept. 23, 5h. M.	Sept. 23, 4h. M.
Winter Solstice.....	Dec. 21, 11h. A.	Dec. 21, 10h. A.
	Mountain Standard.	Pacific Standard.
Vernal Equinox.....	Mar. 20, 4h. A.	Mar. 20, 3h. A.
Summer Solstice.....	June 21, 0h. A.	June 21, 11h. M.
Autumnal Equinox.....	Sept. 23, 3h. M.	Sept. 23, 2h. M.
Winter Solstice.....	Dec. 21, 9h. A.	Dec. 21, 8h. A.

TO FIND LENGTH OF DAY OR NIGHT.

At any time of the year add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising for the length of the day. Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning for the length of the night. These rules are equally true for apparent time.

WEATHER BUREAU.

Explanation of Flag Signals.

No. 1.
White Flag.



No. 1, alone, indicates fair weather, stationary temperature.

Fair Weather.

No. 2.
Blue Flag.



No. 2, alone, indicates rain or snow, stationary temperature.

No. 3, alone, indicates local rain or snow, stationary temperature.

No. 1, with No. 4 above it, indicates fair weather, warmer.

No. 1, with No. 4 below it, indicates fair weather, colder.

Rain or Snow.

No. 3.
White and Blue Flag.



No. 2, with No. 4 above it, indicates rain or snow, warmer.

No. 2, with No. 4 below it, indicates rain or snow, colder.

Local Rain or Snow.

No. 4.
Black Triangular Flag.



No. 3, with No. 4 above it, indicates local rain or snow, warmer.

No. 3, with No. 4 below it, indicates local rain or snow, colder.

No. 1, with No. 5 above it, indicates fair weather, cold wave.

Temperature.


No. 5.
White Flag.
Black Center.



No. 2, with No. 5 above it, indicates wet weather, cold wave.

Cold Wave.

Forecasts made at 10.00 A. M., and displayed between 12.00 and 1.00 P. M., forecasts the weather for the following day until 8.00 P. M.

 In this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Tides are given in Standard Time.

The Calendars for the Latitude of Boston and Chicago

May be used for Central and Southern New England,
Central New York, Southern Michigan, Southern
Wisconsin, Northern Iowa, Northern Nebraska,
South Dakota, and Wyoming.

The Calendars for the Latitude of New York and Philadelphia

May be used for Southern New York, New Jersey, Penn-
sylvania, Northern Ohio, Northern Indiana, Northern
Illinois, Southern Iowa, and Southern Nebraska.

The Calendars for the Latitude of Washington, Cincinnati, etc.

May be used for Delaware, Maryland, the Virginias,
Southern Ohio, Southern Indiana, Southern Illinois,
Kentucky, Missouri, Kansas, and Colorado.

THE SIZE OF THE SEAS.

	Miles long.
Mediterranean	2,000
Caribbean	1,800
Red	1,400
Black	982
Baltic	600

AREA OF OCEANS IN SQUARE MILES.

Pacific	70,000,000
Atlantic	35,000,000
Indian	23,000,000
Southern	7,000,000
Arctic	4,000,000



MOON'S PHASES. (In Standard Time.)

Full Moon	4d. 8h. 30m. a.m.
Last Quarter	11d. 2h. 43m. a.m.
New Moon	19d. 6h. 10m. a.m.
First Quarter	27d. 3h. 51m. a.m.

EASTERN DIVISION.

4d. 8h. 30m. a.m.
11d. 2h. 43m. a.m.
19d. 6h. 10m. a.m.
27d. 3h. 51m. a.m.

CENTRAL DIVISION.

4d. 7h. 30m. a.m.
11d. 1h. 43m. a.m.
19d. 5h. 10m. a.m.
27d. 2h. 51m. a.m.

1912

Latitude of Boston and Chicago.

D. of M.	Day of Week.	Sun. R. & S. h. m.	Moon R. & S. h. m.	Boat. Tide. Morn'g
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1	Mo	r 7 30	4 12	8 0
2	Tu	s 4 39	5 32	9 3
3	We	r 7 30	6 50	10 7
4	Th	s 4 40	rises	11 8
5	Fr	r 7 30	5 58
6	Sa	s 4 42	7 21	0 32
7	S	r 7 30	8 40	1 25
8	Mo	s 4 44	9 55	2 15
9	Tu	r 7 29	11 6	3 0
10	We	s 4 46	morn	3 46
11	Th	r 7 29	0 15	4 34
12	Fr	s 4 48	1 22	5 25
13	Sa	r 7 28	2 29	6 19
14	S	s 4 50	3 34	7 14
15	Mo	r 7 28	4 38	8 10
16	Tu	s 4 53	5 39	9 3
17	We	r 7 27	6 34	9 54
18	Th	s 4 55	7 21	10 41
19	Fr	r 7 26	sets	11 25
20	Sa	s 4 57	6 3	.....
21	S	r 7 25	7 0	0 25
22	Mo	s 5 0	8 12	1 4
23	Tu	r 7 23	9 16	1 42
24	We	s 5 2	10 21	2 19
25	Th	r 7 22	11 28	2 57
26	Fr	s 5 5	morn	3 39
27	Sa	r 7 21	0 37	4 26
28	S	s 5 7	1 51	5 23
29	Mo	r 7 19	3 8	6 29
30	Tu	s 5 10	4 25	7 40
31	We	r 7 17	5 36	8 51

Latitude of New York and Philadelphia.

Sun. R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g
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4 7	4 57	r 7 19
5 26	6 1	s 4 48
6 43	7 4	r 7 19
rises	8 2	s 4 50
6 4	9 3	r 7 19
7 25	9 57	s 4 52
8 43	10 45	r 7 19
9 56	11 33	s 4 54
11 6	.....	r 7 19
morn	0 45	s 4 56
0 14	1 33	r 7 19
1 20	2 23	s 4 58
2 25	3 17	r 7 18
3 29	4 11	s 5 0
4 32	5 7	r 7 18
5 32	6 1	s 5 2
6 27	6 52	r 7 17
7 14	7 35	s 5 4
8 20	8 17	r 7 16
9 3	9 5	s 5 6
10 11	9 43	r 7 15
11 11	10 20	s 5 8
12 11	10 55	r 7 14
13 33	11 33	s 5 11
.....	12 26	r 7 13
0 38	13 13	morn
1 25	14 1	s 5 12
2 34	14 55	r 7 12
3 2	15 15	s 5 14
4 18	16 36	r 7 10
5 29	17 9	s 5 21

Lat. of Wash. Cin. & St. Louis

Sun. R. & S. h. m.	Moon R. & S. h. m.
--------------------	--------------------

4 2	4 2
5 20	5 20
6 36	6 36
rises	rises
6 11	6 11
7 31	7 31
8 47	8 47
9 59	9 59
11 7	11 7
morn	morn
0 13	0 13
1 18	1 18
2 21	2 21
3 24	3 24
4 26	4 26
5 25	5 25
6 19	6 19
7 7	7 7
sets	sets
6 14	6 14
7 15	7 15
8 18	8 18
9 19	9 19
10 21	10 21
11 26	11 26
13 13	13 13
14 1	14 1
15 12	15 12
16 15	16 15
17 4	17 4
18 5	18 5
19 5	19 5
21 9	21 9



MOON'S PHASES. (In Standard Time.)

Full Moon
Last Quarter
New Moon
First Quarter

EASTERN DIVISION.

2d. 6h. 58m. p.m.
9d. 7h. 51m. p.m.
18d. 0h. 44m. a.m.
23d. 2h. 27m. p.m.

CENTRAL DIVISION.

2d. 5h. 58m. p.m.
9d. 6h. 51m. p.m.
17d. 11h. 44m. p.m.
23d. 1h. 27m. p.m.

1912

Latitude of Boston
and Chicago.

Latitude of New York
and Philadelphia.

Lat. of Wash.
Cin. & St. Louis

		and Chicago.						and Philadelphia.						Cin. & St. Louis							
D. of M.	Day of Week.	Sun		Moon		Rost.		Sun		Moon		N. Y.		Cin.		R. & S.		R. & S.			
		R. & S.	R. & S.	R. & S.	Tide.	Morn'g	R. & S.	R. & S.	R. & S.	Tide.	Morn'g	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.			
1	Th	r	7	16	6	37	9	58	r	7	12	6	30	6	56	r	7	8	6	23	
2	Fr	s	5	14	rises	10	59	s	5	17	rises	7	53	s	5	21	rises	5	53		
3	Sa	r	7	14	6	11	11	49	r	7	10	6	15	8	47	r	7	6	6	19	
4	S	s	5	16	7	30	0	13	s	5	20	7	32	9	35	s	5	23	7	35	
5	Mo	r	7	11	8	46	1	0	r	7	8	8	47	10	19	r	7	5	8	48	
6	Tu	s	5	19	9	58	1	44	s	5	22	9	57	10	59	s	5	26	9	57	
7	We	r	7	9	11	8	2	25	r	7	6	11	6	11	43	r	7	3	11	4	
8	Th	s	5	21	morn	3	8	s	5	25	morn	0	5	s	5	28	morn	0	5	28	
9	Fr	r	7	7	0	16	3	54	r	7	4	0	12	0	53	r	7	1	0	10	
10	Sa	s	5	24	1	23	4	46	s	5	27	1	18	1	44	s	5	30	1	14	
11	S	r	7	4	2	29	5	41	r	7	1	2	23	2	39	r	7	5	2	17	
12	Mo	s	5	27	3	32	6	40	s	5	29	3	25	3	38	s	5	32	3	18	
13	Tu	r	7	2	4	29	7	41	r	6	59	4	22	4	38	r	6	55	4	13	
14	We	s	5	29	5	18	8	38	s	5	32	5	11	5	35	s	5	35	5	3	
15	Th	r	6	58	6	1	9	30	r	6	56	5	55	6	28	r	6	54	5	48	
16	Fr	s	5	32	6	36	10	19	s	5	34	6	30	7	16	s	5	37	6	25	
17	Sa	r	6	56	sets	11	2	r	6	53	sets	7	56	r	6	51	sets	7	56	6	10
18	S	s	5	34	6	4	11	38	s	5	37	6	7	8	34	s	5	39	6	10	
19	Mo	r	6	54	7	9	...	r	6	51	7	10	9	13	r	6	49	7	13		
20	Tu	s	5	37	14	0	33	s	5	39	8	14	9	49	s	5	42	8	15		
21	We	r	6	51	9	20	1	9	r	6	48	9	19	10	24	r	6	46	9	18	
22	Th	s	5	39	10	28	1	46	s	5	42	10	25	11	0	s	5	44	10	24	
23	Fr	r	6	48	11	40	2	26	r	6	45	11	36	11	42	r	6	43	11	32	
24	Sa	s	5	42	morn	3	8	54	morn	0	6	s	5	46	morn	0	6	s	5	46	
25	S	r	6	45	0	54	4	0	r	6	43	0	49	0	59	r	6	41	0	43	
26	Mo	s	5	44	2	9	5	3	s	5	46	2	3	2	1	s	5	48	1	56	
27	Tu	r	6	42	3	20	6	15	r	6	40	3	13	3	13	r	6	38	3	5	
28	We	s	5	47	4	23	7	33	s	5	49	4	16	4	29	s	5	50	4	8	
29	Th	r	6	38	5	16	8	44	r	6	37	5	10	5	42	r	6	35	5	3	
...	



MOON'S PHASES. (In Standard Time.)

Full Moon
Last Quarter
New Moon
First Quarter

EASTERN DIVISION.

3d. 5h. 42m. a.m.
10d. 2h. 55m. p.m.
18d. 5h. 9m. p.m.
25d. 10h. 2m. p.m.

CENTRAL DIVISION.

3d. 4h. 42m. a.m.
10d. 1h. 55m. p.m.
18d. 4h. 9m. p.m.
25d. 9h. 2m. p.m.

1912

Latitude of Boston
and Chicago.

Latitude of New York
and Philadelphia.

Lat. of Wash.
Cin. & St. Louis

D. of M.	Day of Week	Sun			Moon			R. & S.			Sun			Moon			R. & S.			
		R. & S.	h. m.	Tide.	R. & S.	h. m.	Tide.	R. & S.	h. m.	Tide.	R. & S.	h. m.	Tide.	R. & S.	h. m.	Tide.	R. & S.	h. m.	Tide.	
1	Fr	r	6	37	5	57	9	47	r	6	35	5	52	6	45	r	6	34	5	47
2	Sa	s	5	51	6	28	10	42	s	5	52	6	24	7	37	s	5	53	6	22
3	S	r	6	34	rises	11	27	r	6	32	rises	8	21	r	6	31	rises	8	21	
4	Mo	s	5	53	7	34	.....	s	5	54	7	34	9	7	s	5	55	7	35	
5	Tu	r	6	30	8	45	0	29	r	6	29	8	43	9	47	r	6	28	8	43
6	We	s	5	55	9	56	1	9	s	5	56	9	53	10	26	s	5	57	9	51
7	Th	r	6	27	11	7	1	50	r	6	26	11	3	11	5	r	6	25	10	58
8	Fr	s	5	58	morn	2	33	s	5	59	morn	11	52	s	5	59	morn	11	52	
9	Sa	r	6	24	0	16	3	18	r	6	23	0	10	0	17	r	6	22	0	5
10	S	s	6	0	1	21	4	9	s	6	1	1	15	1	8	s	6	2	1	8
11	Mo	r	6	20	2	21	5	7	r	6	19	2	14	2	6	r	6	19	2	6
12	Tu	s	6	2	3	15	6	10	s	6	3	3	8	3	8	s	6	4	3	0
13	We	r	6	17	4	0	7	12	r	6	16	3	53	4	8	r	6	16	3	46
14	Th	s	6	5	4	36	8	10	s	6	5	4	30	5	7	s	6	6	4	24
15	Fr	r	6	13	5	6	9	2	r	6	13	5	1	6	0	r	6	13	4	56
16	Sa	s	6	7	5	31	9	48	s	6	7	5	27	6	46	s	6	8	5	25
17	S	r	6	10	5	52	10	30	r	6	10	5	50	7	26	r	6	10	5	48
18	Mo	s	6	9	sets	11	7	s	6	9	sets	8	1	s	6	10	sets	8	1	
19	Tu	r	6	6	7	10	11	41	r	6	6	7	9	8	38	r	6	6	7	9
20	We	s	6	12	8	19	.....	s	6	12	8	17	9	16	s	6	11	8	16	
21	Th	r	6	3	9	31	0	37	r	6	3	9	27	9	55	r	6	3	9	25
22	Fr	s	6	14	10	45	1	18	s	6	14	10	40	10	35	s	6	13	10	35
23	Sa	r	6	59	morn	2	2	r	6	0	11	54	11	21	r	6	0	11	47	
24	S	s	6	16	0	0	2	51	s	6	16	morn	.....	s	6	15	morn	.....	.....
25	Mo	r	6	56	1	12	3	49	r	6	56	1	5	0	48	r	6	57	0	57
26	Tu	s	6	18	2	17	4	58	s	6	18	2	10	1	56	s	6	17	2	2
27	We	r	6	52	3	12	6	13	r	6	53	3	5	3	11	r	6	54	2	58
28	Th	s	6	20	3	55	7	27	s	6	20	3	49	4	23	s	6	19	3	44
29	Fr	r	6	49	4	28	8	33	r	6	50	4	24	5	30	r	6	51	4	20
30	Sa	s	6	23	4	56	9	28	s	6	22	4	53	6	26	s	6	21	4	51
31	S	r	6	45	5	20	10	16	r	6	45	5	19	7	13	r	6	47	5	18



MOON'S PHASES.
(In Standard Time.)

EASTERN DIVISION,

CENTRAL DIVISION.

Full Moon	Id. 5h. 4m. p.m.	Id. 4h. 4m. p.m.
Last Quarter	9d. 10h. 24m. a.m.	9d. 9h. 24m. a.m.
New Moon	17d. 6h. 40m. a.m.	17d. 5h. 40m. a.m.
First Quarter	24d. 8h. 47m. a.m.	24d. 7h. 47m. a.m.

1912

D. of M.	Day of Week.	Latitude of Boston and Chicago.				Latitude of New York and Philadelphia.				Lat. of Wash. Cin. & St. Louis			
		Sun R. & S. h. m.	Moon R. & S. h. m.	Best. Tide. Morn'g		Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g		Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g	
1	Mo	r5 44	rises	11 0		r5 45	rises	7 53		r5 46	rises		
2	Tu	r5 26	7 35	11 38		r5 25	7 33	8 34		r5 24	7 31		
3	We	r5 40	8 46	.....		r5 41	8 42	9 16		r5 43	8 40		
4	Th	r5 28	9 56	0 37		r5 27	9 51	9 56		r5 26	9 47		
5	Fr	r5 37	11 5	1 19		r5 38	10 59	10 36		r5 40	10 53		
6	Sa	r5 31	morn	2 4		r5 29	morn	11 21		r5 28	11 55		
7	S	r5 33	0 9	2 51		r5 35	0 2	.....		r5 37	morn		
8	Mo	r5 33	1 6	3 42		r5 31	0 59	0 41		r5 30	0 51		
9	Tu	r5 30	1 54	4 39		r5 32	1 47	1 38		r5 34	1 39		
10	We	r5 35	2 34	5 39		r5 33	2 28	2 37		r5 32	2 21		
11	Th	r5 27	3 7	6 37		r5 28	3 2	3 34		r5 30	2 56		
12	Fr	r5 37	3 34	7 32		r5 36	3 30	4 28		r5 36	3 25		
13	Sa	r5 23	4 56	8 23		r5 25	3 53	5 19		r5 27	3 51		
14	S	r5 40	4 16	9		r5 38	4 14	6 7		r5 35	4 14		
15	Mo	r5 20	4 36	9 51		r5 22	4 35	6 49		r5 24	4 36		
16	Tu	r5 42	4 55	10 32		r5 40	4 56	7 28		r5 37	4 58		
17	We	r5 17	sets	11 11		r5 19	sets	8 5		r5 22	sets		
18	Th	r5 44	8 30	11 50		r5 42	8 25	8 47		r5 39	8 21		
19	Fr	r5 14	9 48	0 11		r5 16	9 42	9 33		r5 19	9 36		
20	Sa	r5 46	11 4	0 58		r5 44	10 57	10 20		r5 41	10 50		
21	S	r5 11	morn	1 50		r5 13	morn	11 12		r5 15	11 57		
22	Mo	r5 48	0 12	2 46		r5 46	0 5	.....		r5 43	morn		
23	Tu	r5 8	1 10	3 47		r5 10	1 3	0 46		r5 13	0 56		
24	We	r5 51	1 56	4 56		r5 48	1 50	1 54		r5 45	1 44		
25	Th	r5 5	2 31	6		r5 8	2 26	3		r5 11	2 22		
26	Fr	r5 53	2 59	7 10		r5 50	2 56	4 7		r5 47	2 53		
27	Sa	r5	3 23	8		r5 5	3 21	5 5		r5 8	3 20		
28	S	r5 55	3 45	8 59		r5 52	3 45	5 57		r5 49	3 45		
29	Mo	r4 59	4 5	9 45		r5 2	4 6	6 43		r5 6	4 8		
30	Tu	r5 57	4 27	10 29		r5 54	4 29	7 25		r5 51	4 33		



MOON'S PHASES.
(In Standard Time.)

EASTERN DIVISION,

CENTRAL DIVISION.

Full Moon	1d. 5h. 19m. a.m.	Id. 4h. 19m. a.m.
Last Quarter	9d. 4h. 59m. a.m.	9d. 3h. 59m. a.m.
New Moon	16d. 5h. 13m. p.m.	16d. 4h. 13m. p.m.
First Quarter	23d. 5h. 11m. a.m.	23d. 4h. 11m. a.m.
Full Moon	30d. 0h. 29m. p.m.	30d. 0h. 29m. p.m.

1912

D. of M.	Day of Week.	Latitude of Boston and Chicago.				Latitude of New York and Philadelphia.				Lat. of Wash. Cin. & St. Louis			
		Sun R. & S. h. m.	Moon R. & S. h. m.	Best. Tide. Morn'g		Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g		Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g	
1	We	r4 56	rises	11 10		r4 59	rises	8 3		r5 3	rises		
2	Th	r5 59	8 48	11 49		r5 56	8 47	9 40		r5 52	8 36		
3	Fr	r4 53	9 54	0 10		r4 57	9 47	9 30		r5 1	9 41		
4	Sa	r5 7	2 10	54		0 54	6 58	10 47		10 14	r5 54	10 39	
5	S	r4 51	11 47	1 40		r4 54	11 40	10 58		r4 58	11 32		
6	Mo	r5 7	4	morn		2 27	0	morn		11 48	r5 56	morn	
7	Tu	r4 48	0 31	3 16		r4 52	0 24	0 14		r4 56	0 17		
8	We	r5 6	1 7	4 7		r5 3	1 1	1 6		r5 58	0 55		
9	Th	r4 46	1 35	5		0 4	r5 0	1 30		1 58	r4 54	1 26	
10	Fr	r5 7	6	1 59		5 54	r5 1	1 55		2 52	r5 7	0 1 53	
11	Sa	r4 43	2 20	6 46		r4 47	2 18	3 43		r4 52	2 16		
12	S	r5 10	2 39	7 36		r5 7	2 38	4 33		r5 7	2 38		
13	Mo	r4 41	2 58	8 24		r4 45	2 58	5 21		r4 50	3 0		
14	Tu	r5 13	3 18	9 10		r5 9	3 20	6 8		r5 7	4 3 22		
15	We	r4 39	3 41	9 56		r4 43	3 44	6 54		r4 49	3 48		
16	Th	r5 15	4 9	10 43		r5 10	4 13	7 38		r5 6	4 19		
17	Fr	r4 37	sets	11 30		r4 42	sets	8 25		r4 46	sets		
18	Sa	r5 17	9 59	.....		r5 12	9 52	9 19		r5 7	9 44		
19	S	r4 35	11 3	0 49		r4 40	10 56	10 13		r4 44	10 48		
20	Mo	r5 17	19 11	54		1 45	r5 14	11 48		11 9	r5 7	9 11 41	
21	Tu	r4 33	morn	2 43		r4 38	morn	.....		r4 43	morn		
22	We	r5 21	0 33	3 41		r5 16	0 28	0 40		r5 11	0 23		
23	Th	r4 32	1 4	4 42		r4 36	1 0	1 41		r4 41	0 57		
24	Fr	r5 23	1 29	5 43		r5 18	1 27	2 41		r5 13	1 25		
25	Sa	r4 30	1 51	6 40		r4 35	1 50	3 37		r4 40	1 50		
26	S	r5 24	2 11	7 34		r5 19	2 12	4 30		r5 17	2 13		
27	Mo	r4 28	2 32	8 26		r4 34	2 34	5 22		r4 39	2 37		
28	Tu	r5 26	2 54	9 12		r5 21	2 57	6 10		r5 16	3 2		
29	We	r4 28	3 19	9 59		r4 33	3 24	6 57		r4 38	3 29		
30	Th	r5 28	3 50	10 45		r5 23	3 56	7 40		r5 17	4 2		
31	Fr	r4 26	rises	11 28		r4 32	rises	8 22		r4 37	rises		



MOON'S PHASES. (In Standard Time.)			EASTERN DIVISION.			CENTRAL DIVISION.		
Last Quarter	73.	9h. 30m. p.m.	73.	9h. 30m. p.m.		73.	9h. 30m. p.m.	
New Moon	151.	1h. 21m. a.m.	151.	1h. 21m. a.m.		151.	1h. 21m. a.m.	
First Quarter	214.	3h. 30m. p.m.	214.	3h. 30m. p.m.		214.	3h. 30m. p.m.	
Full Moon	291.	5h. 30m. a.m.	291.	5h. 30m. a.m.		291.	5h. 30m. a.m.	

D. of M.	Day of Week.	Latitude of Boston and Chicago.				Latitude of New York and Philadelphia.				Lat. of Wash. City & St. Louis.			
		Sun R. & S. h. m.	Moon R. & S. h. m.	Boat. Tide. Morn'g		Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g		Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g	
1	Sa	r 4 26	9 40	.....		r 4 31	9 33	9 10		r 4 36	9 25		
2	S	s 7 30	10 27	0 34		s 7 25	10 20	9 55		s 7 19	10 13		
3	Mo	r 4 25	11 5	1 20		r 4 30	10 59	10 38		r 4 36	10 53		
4	Tu	s 7 32	11 36	2 5		s 7 26	11 31	11 21		s 7 21	11 26		
5	We	r 4 24	morn	2 48		r 4 29	11 57	.....		r 4 35	10 54		
6	Th	s 7 33	0 1	3 31		s 7 28	morn	0 29		s 7 22	morn		
7	Fr	r 4 23	0 23	4 17		r 4 29	0 20	1 16		r 4 34	0 19		
8	Sa	s 7 34	0 43	5 5		s 7 29	0 41	2 2		s 7 23	0 41		
9	S	r 4 23	1 1	5 54		r 4 28	1 1	2 52		r 4 34	1 2		
10	Mo	s 7 35	1 20	6 45		s 7 30	1 21	3 42		s 7 24	1 23		
11	Tu	r 4 22	1 41	7 37		r 4 28	1 43	4 34		r 4 34	1 47		
12	We	s 7 36	2 6	8 31		s 7 31	2 10	5 28		s 7 25	2 15		
13	Th	r 4 22	2 37	9 26		r 4 28	2 42	6 24		r 4 34	2 48		
14	Fr	s 7 37	3 17	10 23		s 7 32	3 23	7 18		s 7 26	3 31		
15	Sa	r 4 22	sets	11 19		r 4 28	sets	8 14		r 4 34	sets		
16	Mo	s 7 38	9 44	.....		s 7 33	9 37	9 12		s 7 27	9 31		
17	Tu	r 4 22	10 30	0 43		r 4 28	10 25	10 8		r 4 34	10 19		
18	We	s 7 39	11 5	1 39		s 7 33	11 1	1 11		s 7 27	10 57		
19	Th	r 4 23	11 32	2 32		r 4 28	11 29	1 51		r 4 34	11 27		
20	Fr	s 7 40	11 55	3 23		s 7 34	11 54	0 21		s 7 28	11 53		
21	Sa	r 4 23	morn	4 14		r 4 28	morn	1 13		r 4 34	morn		
22	Mo	s 7 40	0 17	5 8		s 7 34	0 17	2 3		s 7 28	0 18		
23	Tu	r 4 23	0 38	6 2		r 4 29	0 40	3 0		r 4 35	0 42		
24	We	s 7 40	0 59	6 57		s 7 35	1 2	3 54		s 7 29	1 6		
25	Th	r 4 24	1 23	7 51		r 4 29	1 27	4 48		r 4 35	1 32		
26	Fr	s 7 40	1 51	8 43		s 7 35	1 56	5 41		s 7 29	2 3		
27	Sa	r 4 25	2 26	9 35		r 4 30	2 32	6 33		r 4 36	2 40		
28	Mo	s 7 40	3 8	10 25		s 7 35	3 15	7 22		s 7 29	3 23		
29	Tu	r 4 25	riser	11 11		r 4 31	riser	8 4		r 4 37	riser		
30	Fr	s 7 40	9 5	11 53		s 7 35	8 59	8 51		s 7 29	8 52		



MOON'S PHASES. (In Standard Time.)			EASTERN DIVISION.			CENTRAL DIVISION.		
Last Quarter	74.	11h. 47m. a.m.	74.	11h. 47m. a.m.		74.	11h. 47m. a.m.	
New Moon	144.	8h. 13m. a.m.	144.	8h. 13m. a.m.		144.	8h. 13m. a.m.	
First Quarter	214.	0h. 18m. a.m.	214.	0h. 18m. a.m.		214.	0h. 18m. a.m.	
Full Moon	291.	11h. 28m. p.m.	291.	11h. 28m. p.m.		291.	11h. 28m. p.m.	

D. of M.	Day of Week.	Latitude of Boston and Chicago.				Latitude of New York and Philadelphia.				Lat. of Wash. City & St. Louis.			
		Sun R. & S. h. m.	Moon R. & S. h. m.	Boat. Tide. Morn'g		Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g		Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g	
1	Mo	r 4 26	9 37	0 15		r 4 32	9 32	9 34		r 4 38	9 26		
2	Tu	s 7 40	10 4	0 57		s 7 35	10 0	10 15		s 7 29	9 55		
3	We	r 4 27	10 27	1 38		r 4 33	10 24	10 51		r 4 39	10 22		
4	Th	s 7 40	10 47	2 17		s 7 34	10 45	11 31		s 7 29	10 45		
5	Fr	r 4 28	11 5	2 55		r 4 34	11 4	.....		r 4 40	11 5		
6	Sa	s 7 39	11 24	3 34		s 7 34	11 25	0 32		s 7 28	11 26		
7	S	r 4 29	11 44	4 17		r 4 35	11 46	1 16		r 4 41	11 48		
8	Mo	s 7 39	morn	5 5		s 7 33	morn	2 4		s 7 28	morn		
9	Tu	r 4 31	0 5	5 59		r 4 37	0 8	2 66		r 4 42	0 12		
10	We	s 7 38	0 32	6 58		s 7 32	0 37	3 55		s 7 27	0 42		
11	Th	r 4 33	1 7	8 1		r 4 38	1 13	4 59		r 4 43	1 20		
12	Fr	s 7 37	1 53	9 8		s 7 32	2 0	6 5		s 7 26	2 8		
13	Sa	r 4 34	2 52	10 12		r 4 39	2 59	7 9		r 4 45	3 8		
14	S	s 7 36	sets	11 12		s 7 31	sets	8 7		s 7 25	sets		
15	Mo	r 4 36	9 1	.....		r 4 41	8 56	9 3		r 4 46	8 51		
16	Tu	s 7 34	9 31	0 32		s 7 30	9 28	9 56		s 7 24	9 26		
17	We	r 4 37	9 57	1 23		r 4 42	9 55	10 42		r 4 47	9 54		
18	Th	s 7 33	10 20	2 10		s 7 28	10 20	11 28		s 7 23	10 20		
19	Fr	r 4 39	10 41	2 55		r 4 44	10 42	.....		r 4 49	10 44		
20	Sa	s 7 32	11 2	3 40		s 7 27	11 5	0 39		s 7 22	11 8		
21	S	r 4 41	11 26	4 30		r 4 45	11 30	1 23		r 4 51	11 35		
22	Mo	s 7 30	11 54	5 23		s 7 25	11 59	2 21		s 7 20	morn		
23	Tu	r 4 43	morn	6 21		r 4 47	morn	3 19		r 4 52	0 5		
24	We	s 7 28	0 26	7 21		s 7 24	0 32	4 18		s 7 19	0 39		
25	Th	r 4 44	1 5	8 20		r 4 49	1 12	5 16		r 4 54	1 20		
26	Fr	s 7 27	1 52	9 14		s 7 22	1 59	6 12		s 7 17	2 8		
27	Sa	r 4 46	2 47	10 6		r 4 51	2 54	7 4		r 4 56	3 3		
28	S	s 7 25	riser	10 52		s 7 20	riser	7 47		s 7 16	riser		
29	Mo	r 4 48	8 7	11 33		r 4 53	8 2	8 28		r 4 57	7 58		
30	Tu	s 7 22	8 31	.....		s 7 18	8 28	9 5		s 7 14	8 25		
31	We	r 4 50	8 52	0 30		r 4 55	8 50	9 47		r 4 59	8 48		



MOON'S PHASES. (In Standard Time.)			EASTERN DIVISION.			CENTRAL DIVISION.		
Last Quarter	...	5d. 11h. 18m. p.m.	5d. 10h. 18m. p.m.			5d. 10h. 18m. p.m.		
New Moon	...	12d. 2h. 58m. p.m.	12d. 1h. 58m. p.m.			12d. 1h. 58m. p.m.		
First Quarter	...	19d. 11h. 57m. a.m.	19d. 10h. 57m. a.m.			19d. 10h. 57m. a.m.		
Full Moon	...	27d. 2h. 59m. p.m.	27d. 1h. 59m. p.m.			27d. 1h. 59m. p.m.		

1912		Latitude of Boston and Chicago.			Latitude of New York and Philadelphia.			Lat. of Wash. Cin. & St. Louis		
D. of M.	Day of Week.	Sun R. & S. h. m.	Moon R. & S. h. m.	Best. Tide. Morn'g	Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g	Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g
1	Th	r4 51	9 10	1 7	r4 56	9 9	10 20	r5 0	9 9	
2	Fr	s7 19	9 28	1 42	s7 15	9 28	10 54	s7 11	9 29	
3	Sa	r4 53	9 47	2 18	r4 58	9 48	11 31	r5 2	9 51	
4	S	s7 17	10 8	2 55	s7 13	10 11	.....	s7 9	10 15	
5	Mo	r4 55	10 32	3 37	r4 59	10 36	0 36	r5 4	10 41	
6	Tu	s7 14	11 2	4 25	s7 10	11 7	1 24	s7 6	11 14	
7	We	r4 58	11 41	5 24	r5 1	11 47	2 22	r5 5	11 55	
8	Th	s7 12	morn	6 32	s7 8	morn	3 30	s7 4	morn	
9	Fr	r5 0	0 33	7 46	r5 3	0 40	4 42	r5 7	0 49	
10	Sa	s7 9	1 39	8 57	s7 5	1 46	5 54	s7 2	1 55	
11	S	r5 2	2 57	10 4	r5 5	3 3	7 1	r5 9	3 11	
12	Mo	s7 6	sets	11 1	s7 3	sets	7 55	s6 59	sets	
13	Tu	r5 4	7 56	11 49	r5 7	8 54	8 46	r5 11	7 52	
14	We	s7 3	8 21	0 12	s7 0	8 20	9 34	s6 57	8 20	
15	Th	r5 6	8 43	0 57	r5 9	8 44	10 15	r5 13	8 45	
16	Fr	s7 0	9 9	1 40	s6 58	9 7	10 56	s6 54	9 10	
17	Sa	r5 8	9 29	2 23	r5 11	9 32	11 40	r5 14	9 37	
18	S	s6 57	9 55	3 6	s6 54	10 0	4 4	s6 52	10 5	
19	Mo	r5 10	10 26	3 56	r5 13	10 32	0 55	r5 16	10 39	
20	Tu	s6 54	11 3	4 50	s6 52	11 10	1 48	s6 49	11 18	
21	We	r5 13	11 48	5 51	r5 15	11 55	2 49	r5 18	morn	
22	Th	s6 51	morn	6 54	s6 49	morn	3 51	s6 46	0 4	
23	Fr	r5 15	0 41	7 57	r5 17	0 48	4 53	r5 20	0 57	
24	Sa	s6 48	1 40	8 53	s6 46	1 47	5 50	s6 43	1 54	
25	S	r5 17	2 42	9 43	r5 19	2 48	6 41	r5 22	2 55	
26	Mo	s6 45	3 46	10 27	s6 43	3 51	7 23	s6 40	3 56	
27	Tu	r5 19	risers	11 6	r5 21	risers	7 59	r5 24	risers	
28	We	s6 42	7 18	11 41	s6 40	7 17	8 37	s6 38	7 16	
29	Th	r5 21	7 35	.....	r5 23	7 35	9 13	r5 26	7 36	
30	Fr	s6 39	7 53	0 32	s6 37	7 54	9 47	s6 34	7 56	
31	Sa	r5 23	8 13	1 7	r5 25	8 15	10 21	r5 27	8 19	



MOON'S PHASES. (In Standard Time.)			EASTERN DIVISION.			CENTRAL DIVISION.		
Last Quarter	...	4d. 8h. 23m. a.m.	4d. 7h. 23m. a.m.			4d. 7h. 23m. a.m.		
New Moon	...	10d. 10h. 48m. p.m.	10d. 9h. 48m. p.m.			10d. 9h. 48m. p.m.		
First Quarter	...	18d. 2h. 55m. a.m.	18d. 1h. 55m. a.m.			18d. 1h. 55m. a.m.		
Full Moon	...	26d. 6h. 34m. a.m.	26d. 5h. 34m. a.m.			26d. 5h. 34m. a.m.		

1912		Latitude of Boston and Chicago.			Latitude of New York and Philadelphia.			Lat. of Wash. Cin. & St. Louis		
D. of M.	Day of Week.	Sun R. & S. h. m.	Moon R. & S. h. m.	Best. Tide. Morn'g	Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g	Sun R. & S. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn'g
1	S	r5 24	8 36	1 44	r5 26	8 40	10 57	r5 28	8 44	
2	Mo	s6 33	9 3	2 24	s6 32	9 8	11 41	s6 30	9 14	
3	Tu	r5 26	9 37	3 8	r5 28	9 43	0 5	r5 30	9 51	
4	We	s6 30	10 22	4 1	s6 28	10 29	1 0	s6 27	10 38	
5	Th	r5 28	11 20	5 8	r5 30	11 27	2 6	r5 32	11 36	
6	Fr	s6 27	morn	6 22	s6 25	morn	3 19	s6 24	morn	
7	Sa	r5 30	0 31	7 38	r5 32	0 38	4 35	r5 33	0 46	
8	S	s6 23	1 51	8 47	s6 22	1 57	5 45	s6 20	2 3	
9	Mo	r5 33	3 15	9 49	r5 34	3 19	6 46	r5 35	3 24	
10	Tu	s6 20	4 36	10 40	s6 18	4 39	7 36	s6 17	4 42	
11	We	r5 35	sets	11 24	r5 36	sets	8 19	r5 37	sets	
12	Th	s6 16	7 6	.....	s6 17	7 7	9 4	s6 14	7 10	
13	Fr	r5 37	7 29	0 27	r5 38	7 32	9 40	r5 39	7 35	
14	Sa	s6 13	7 54	1 9	s6 12	7 58	10 27	s6 11	8 3	
15	S	r5 39	8 24	1 52	r5 40	8 29	11 9	r5 41	8 36	
16	Mo	s6 9	8 59	2 37	s6 9	9 5	11 58	s6 8	9 13	
17	Tu	r5 41	9 41	3 27	r5 42	9 48	0 25	r5 42	9 57	
18	We	s6 6	10 32	4 23	s6 5	10 39	1 22	s6 5	10 48	
19	Th	r5 43	11 30	5 25	r5 44	11 37	2 23	r5 44	11 45	
20	Fr	s6 2	morn	6 28	s6 2	morn	3 25	s6 1	morn	
21	Sa	r5 45	0 32	7 28	r5 46	0 38	4 25	r5 46	0 45	
22	S	s5 59	1 37	8 23	s5 59	1 42	5 20	s5 58	1 48	
23	Mo	r5 47	2 42	9 9	r5 48	2 46	6 7	r5 48	2 51	
24	Tu	s5 55	3 46	9 52	s5 55	3 49	6 50	s5 55	3 52	
25	We	r5 50	4 48	10 32	r5 50	4 49	7 28	r5 50	4 52	
26	Th	s5 52	risers	11	s5 52	risers	8 8	s5 52	risers	
27	Fr	r5 52	6 19	11 41	r5 52	6 21	8 38	r5 51	6 24	
28	Sa	s5 48	6 41	.....	s5 48	6 44	9 15	s5 49	6 49	
29	S	r5 54	7 6	0 36	r5 54	7 11	9 54	r5 53	7 17	
30	Mo	s5 45	7 38	1 17	s5 45	7 44	10 34	s5 45	7 51	



MOON'S PHASES. (In Standard Time.)		EASTERN DIVISION.			CENTRAL DIVISION.		
Last Quarter	3d.	3h.	48m.	p.m.	3d.	2h.	48m. p.m.
New Moon	10d.	8h.	41m.	a.m.	10d.	7h.	41m. a.m.
First Quarter	17d.	9h.	6m.	p.m.	17d.	8h.	6m. p.m.
Full Moon	25d.	9h.	39m.	p.m.	25d.	8h.	39m. p.m.

1912		Latitude of Boston and Chicago.				Latitude of New York and Philadelphia.				Lat. of Wash. Cin. & St. Louis	
D. of M.	Day of Week.	Sun. R. & S.	Moon. R. & S.	Rest. Tide.	N. Y. Tide.	Sun. R. & S.	Moon. R. & S.	Rest. Tide.	N. Y. Tide.	Sun. R. & S.	Moon. R. & S.
1	Tu	r 5 56	8 19	2	3	r 5 56	8 26	11 22	r 5 55	8 34	
2	We	s 5 41	9 12	2	5	s 5 42	9 20	.....	s 5 42	9 28	
3	Th	r 5 58	10 17	3	5	r 5 58	10 24	0 55	r 5 57	10 33	
4	Fr	s 5 38	11 32	5	2	s 5 38	11 38	2 0	s 5 39	11 45	
5	Sa	r 6	1	morn	6 16	r 6	0	morn	3 14	r 5 59	morn
6	S	s 5 34	0 52	7	26	s 5 35	0 57	4 23	s 5 36	1 3	
7	Mo	r 6	3	2 12	8 29	r 6	2	1 25	5 26	r 6	1 20
8	Tu	s 5 31	3 31	9 23	5 32	3 33	6 22	s 5 33	3 36		
9	We	r 6	5	4 47	10 12	r 6	4	4 47	7 9	r 6	3 4 48
10	Th	s 5 27	sets	10 56	s 5 29	sets	7 51	s 5 30	sets		
11	Fr	r 6	8	5 52	11 36	r 6	5	5 55	8 32	r 6	5 6 0
12	Sa	s 5 24	6 20	.....	s 5 26	6 25	9 17	s 5 27	6 31		
13	S	r 6	10	6 54	0 41	r 6	8	7 10	0 10	r 6	7 7 7
14	Mo	s 5 21	7 34	1 25	s 5 22	7 40	10 45	s 5 24	7 49		
15	Tu	r 6	12	8 23	2 14	r 6	10	8 31	11 34	r 6	9 8 39
16	We	s 5 18	9 18	3 4	s 5 19	9 25	1	s 5 21	9 34		
17	Th	r 6	15	10 19	3 58	r 6	13	10 25	0 57	r 6	11 10 33
18	Fr	s 5 15	11 23	4 55	s 5 16	11 28	1 53	s 5 18	11 35		
19	Sa	r 6	17	morn	5 53	r 6	15	morn	2 51	r 6	13 morn
20	S	s 5 11	0 27	6 50	s 5 13	0 31	3 47	s 5 16	0 37		
21	Mo	r 6	19	1 31	7 41	r 6	17	1 34	4 37	r 6	15 1 38
22	Tu	s 5 8	2 35	8 28	s 5 11	2 37	5 24	s 5 13	2 40		
23	We	r 6	22	3 39	9 10	r 6	19	3 40	6 8	r 6	17 3 41
24	Th	s 5 5	4 44	9 51	s 5 8	4 43	6 49	s 5 10	4 43		
25	Fr	r 6	24	5 51	10 32	r 6	21	5 49	7 28	r 6	19 5 44
26	Sa	s 5 3	rises	11 11	s 5 5	rises	8 4	s 5	.....	rises	
27	S	r 6	26	5 39	11 51	r 6	24	5 44	8 48	r 6	21 5 51
28	Mo	s 5 0	6 18	0 13	s 5 2	6 24	9 35	s 5	6 32		
29	Tu	r 6	29	7 8	1 1	r 6	26	7 15	10 23	r 6	23 7 24
30	We	s 4 57	8 10	1 53	s 5 0	8 17	11 15	s 5	8 26		
31	Th	r 6	31	9 21	2 50	r 6	28	9 27	6 26	r 6	26 9 35



MOON'S PHASES. (In Standard Time.)	EASTERN DIVISION.			CENTRAL DIVISION.		
Last Quarter	1d.	10h.	37m. p.m.	1d.	9h.	37m. p.m.
New Moon	8d.	9h.	5m. p.m.	8d.	8h.	5m. p.m.
First Quarter	16d.	5h.	43m. p.m.	16d.	4h.	43m. p.m.
Full Moon	24d.	11h.	12m. a.m.	24d.	10h.	12m. a.m.

1912		Latitude of Boston and Chicago.				Latitude of New York and Philadelphia.				Lat. of Wash. Cin. & St. Louis	
D. of M.	Day of Week.	Sun. R. & S.	Moon. R. & S.	Rest. Tide.	N. Y. Tide.	Sun. R. & S.	Moon. R. & S.	Rest. Tide.	N. Y. Tide.	Sun. R. & S.	Moon. R. & S.
1	Fr	r 6 33	10 39	3 50	r 6 30	10 44	0 49	r 6 27	10 51		
2	Sa	s 4 53	11 58	4 55	s 4 56	morn	1 53	s 4 59	morn		
3	S	r 6 35	morn	6 1	r 6 32	0 2	2 58	r 6 29	0 7		
4	Mo	s 4 51	1 15	7 3	s 4 54	1 17	4 0	s 4 57	1 21		
5	Tu	r 6 38	2 30	8 1	r 6 34	2 31	4 57	r 6 31	2 33		
6	We	s 4 48	3 44	8 53	s 4 52	3 43	5 49	s 4 55	3 44		
7	Th	r 6 40	4 57	9 40	r 6 37	4 55	6 38	r 6 33	4 54		
8	Fr	s 4 46	6 10	10 27	s 4 49	6 6	7 24	s 4 53	6 4		
9	Sa	r 6 43	sets	11 11	r 6 39	sets	8 5	r 6 36	sets		
10	S	s 4 44	5 26	11 54	s 4 47	5 32	8 51	s 4 51	5 40		
11	Mo	r 6 45	6 12	0 17	r 6 42	6 19	9 40	r 6 38	6 28		
12	Tu	s 4 42	7 6	1 5	s 4 45	7 13	10 25	s 4 49	7 22		
13	We	r 6 48	8 8	1 52	r 6 44	8 12	11 11	r 6 40	8 20		
14	Th	s 4 40	9 5	2 40	s 4 44	9 14	.....	s 4 48	9 21		
15	Fr	r 6 50	10 13	3 29	r 6 46	10 18	0 27	r 6 42	10 24		
16	Sa	s 4 38	11 17	4 19	s 4 42	11 21	1 18	s 4 46	11 25		
17	S	r 6 53	morn	5 9	r 6 49	morn	2 7	r 6 44	morn		
18	Mo	s 4 36	0 20	5 59	s 4 40	0 22	2 57	s 4 45	0 26		
19	Tu	r 6 55	1 23	6 48	r 6 51	1 24	3 45	r 6 47	1 26		
20	We	s 4 35	2 27	7 36	s 4 39	2 27	4 32	s 4 44	2 27		
21	Th	r 6 58	3 33	8 24	r 6 54	3 31	5 21	r 6 49	3 31		
22	Fr	s 4 33	4 41	9 10	s 4 38	4 38	6 8	s 4 42	4 36		
23	Sa	r 7 0	5 53	9 57	r 6 56	5 49	6 55	r 6 51	5 44		
24	S	s 4 32	rises	10 46	s 4 37	rises	7 41	s 4 41	rises		
25	Mo	r 7 2	5 0	11 34	r 6 58	5 7	8 29	r 6 53	5 15		
26	Tu	s 4 31	5 58	0 0	s 4 36	6 5	9 24	s 4 40	6 14		
27	We	r 7 5	7 10	0 53	r 7 0	7 17	10 18	r 6 55	7 25		
28	Th	s 4 30	8 28	1 49	s 4 35	8 34	11 11	s 4 39	8 40		
29	Fr	r 7 7	9 47	2 44	r 7 2	9 51	.....	r 6 57	9 57		
30	Sa	s 4 29	11 5	3 39	s 4 34	11 8	0 38	s 4 39	11 11		

DECEMBER



MOON'S PHASES. (In Standard Time.)

Last Quarter . . .	1d. 6h. 5m. a.m.	1d. 6h. 5m. a.m.
New Moon . . .	8d. 0h. 7m. p.m.	8d. 11h. 7m. a.m.
First Quarter . . .	10d. 3h. 6m. p.m.	10d. 1h. 5m. p.m.
Full Moon . . .	23d. 11h. 3m. p.m.	23d. 10h. 3m. p.m.
Last Quarter . . .	30d. 12h. 2m. p.m.	30d. 12h. 2m. p.m.

EASTERN DIVISION.

CENTRAL DIVISION.

1912		Latitude of Boston and Chicago.				Latitude of New York and Philadelphia.				Lat. of Wash. Cin. & St. Louis			
D. of M.	Day of Week.	Sun R. h. m.	Moon R. & S. h. m.	Best. Tide. Morn's	Sun R. h. m.	Moon R. & S. h. m.	N. Y. Tide. Morn's	Sun R. h. m.	Moon R. & S. h. m.	Cin. h. m.	Moon R. & S. h. m.		
1	S	r7	9	morn	4 36	r7	4	morn	1 35	r6	59	morn	
2	Mo	s4	29	0 20	5 34	s4	34	0 21	2 32	s4	39	0 24	
3	Tu	r7	11	1 33	6 31	r7	6	1 33	3 29	r7	1	1 34	
4	We	s4	28	2 44	7 26	s4	33	2 42	4 23	s4	38	2 42	
5	Th	r7	13	3 56	8 19	r7	8	3 53	5 17	r7	3	3 51	
6	Fr	s4	28	5 8	9 11	s4	33	5 4	6 9	s4	38	4 59	
7	Sa	r7	15	6 21	10 2	r7	10	6 15	6 59	r7	5	6 9	
8	S	s4	28	sets	10 51	s4	33	sets	7 45	s4	38	sets	
9	Mo	r7	17	4 55	11 36	r7	12	5 2	8 32	r7	7	5 11	
10	Tu	s4	28	5 53	.....	s4	33	6 0	9 21	s4	38	6 8
11	We	r7	19	6 56	0 46	r7	14	7 2	10 10	r7	8	7 9	
12	Th	s4	28	8 0	1 30	s4	33	8 5	10 47	s4	39	8 11	
13	Fr	r7	20	9 4	2 14	r7	15	9 8	11 30	r7	10	9 13	
14	Sa	s4	28	10 8	2 55	s4	33	10 11	.....	s4	39	10 15
15	S	r7	22	11 10	3 37	r7	17	11 12	0 36	r7	11	11 14	
16	Mo	s4	29	morn	4 20	s4	34	morn	1 19	s4	40	morn	
17	Tu	r7	23	0 12	5 5	r7	18	0 12	2 3	r7	13	0 13	
18	We	s4	29	1 14	5 53	s4	35	1 13	2 51	s4	40	1 13	
19	Th	r7	25	2 20	6 44	r7	20	2 18	3 41	r7	14	2 16	
20	Fr	s4	30	3 30	7 37	s4	35	3 26	4 34	s4	41	3 24	
21	Sa	r7	26	4 43	8 33	r7	21	4 38	5 30	r7	15	4 33	
22	S	s4	31	5 58	9 30	s4	36	5 52	6 28	s4	42	5 45	
23	Mo	r7	27	7 12	10 28	r7	21	7 5	7 24	r7	16	6 57	
24	Tu	s4	32	rises	11 24	s4	38	rises	8 18	s4	43	rises	
25	We	r7	28	6 8	.....	r7	22	6 14	9 17	r7	17	6 21
26	Th	s4	33	7 30	0 46	s4	39	7 35	10 10	s4	44	7 41	
27	Fr	r7	28	8 51	1 39	r7	23	8 54	10 58	r7	18	8 58	
28	Sa	s4	35	10 9	2 29	s4	40	10 11	11 50	s4	45	10 13	
29	S	r7	29	11 23	3 17	r7	24	11 23	0 16	r7	18	11 24	
30	Mo	s4	36	morn	4 7	s4	42	morn	1 6	s4	46	morn	
31	Tu	r7	29	0 35	5 0	r7	24	0 34	1 58	r7	19	0 34	

Cambridge

Ther

MON. JAN. 1, 1912

Wea

fine.

Clear & mild with light westerly wind. Ground covered with snow to depth of 3 or 4 inches. Sidewalks very slippery with glass ice in early morning but most of this gone by noon. In the Garden saw a Flicker, a ♂ Downy, a Chickadee, and a Crow. Heard Jays screaming.

Spent most of day in Museum working with Gilbert & Billcliffe. We put up guns, fixtures, shot belts, powder flasks etc. that have been in storage for years. Lorry Simmons came out from Boston at 11.15 a.m. & was at lunch & dinner. She looks & seems almost as well as before her illness. Dick Dana called in P.M. staying at home. Mitchell Club meeting this evening. Went on Alaska trip with brother & Benj. Altshuler.

Cambridge - Bethel

Ther TUES. JAN. 2, 1912 Wea
Fine

Brilliantly clear with fresh northerly
wind & sharp, frosty air.

Breakfasted at 7.15, walked to Porters
✓ took 9 A.M. train Eastern Div. for
Portland. No increase of snow, marshes
extremely beautiful, scattered Crows &
one flock of Horned Larks on wing the
only birds seen. Trains beyond Portsmouth
loaded with Brown Tail Hares. Dined
at Union Station. Met Dr. Mrs. Gehring
& several of their patients on Grand Trunk
train at junction. Passing at Thorne with
them to Bethel, most of way in
smoking car with the good doctor.
not more than 3 inches of snow at
South Paris but at Bygonie Pond &
beyond about 6 inches with shining icy
crust. Excellent sleighing at Bethel.
Spent evening in lounge. We talked &
coloured to Johanna's room.

Bethel,

Ther WED. JAN. 3, 1912 Wea
-3 ± 18° at 9 a.m. & 30° at noon Fine.

Brilliantly clear with scarce a breath
of wind. Air deliciously dry & devoid of chill
yet sharp & frosty. A perfect winter day.
About 6 in. of ice. Crested snow in open
fields and 8 or 10 inches, less icy, in woods.

Just after breakfast saw a Downy & several
Chickadees at foot and a large flock of
Redpolls in bushes near house. at 10 a.m.
Dr. G. & I set forth with our snow shoes.

Taking an excellent frozen trail that led
through dense coniferous woods. After we came
upon a *Parus hudsonicus* which was at first
singing a little, making a low, hollow, raspy
noise like the common scolding warbling of the
Chickadee & not very musical. Indeed it did
not seem to me to really deserve being called
singing. With this bird upon 2 Canada
Nuthatches engaged in cooing for some
7 minutes or so heard Chickadees and White-
winged Crossbills, the latter on wing. The
calls of passing Redpolls heard very little while
on easy trail ran into flock of 8 Chickadees
with at least two *P. hudsonicus* heard among them.
Saw a dozen or more fresh prints of Weasels
and very many of white Rabbits. Dr. G. has
seen *Peromyscus* & *Callospermum* on logs.
He heard several Owl hooting last night.
He & I walked down home at 4 P.M. - I brought
3 mus. specimens and other things. In 3 m. out

Bethel

Ther THURS. JAN. 4, 1912 Wea
Maine woods in winter. Fine

Perfect day, clear, windless, cold yet dry.

8 a. m. 2 Downy & 3 Chickadees at sun

9. (2) Pileated Woodpeckers in elms over

avenue & start flying from them off one then

continuing to continue as I approached.

9.30 - 10. Spent an hour at Sears following the

Blue Wards. Only with Dr. Schuyler. 16°

where we started. Air deliciously pure & fine

from chair. I saw no evidence of snow on

the ground yet was perfectly comfortable.

Two years woods amazingly beautiful. in the clear

sunlight and sharply alive with birds which

the birds around ground was everywhere a perfect

mass of freshly made trails. Never before have

I seen anything like so many tracks of

Rabbits & Red Squirrels. Those of mice very numerous

One fine bird coming about everywhere.

We encountered no less than this flock of Chickadees

most of them containing 2 or 3 Canada Warblers, one

being also a Golden-crowned Kinglet and another

a single Blue Jay. Red jacks heard many times

& several of 1/2. Saw. They are feeding in the

gray birches & cedar birches, the latter heavily frosted.

Warblers feeding on fir cones - now especially numerous.

Heard Pine Siskins over Dr. G. saw a flock

of them recently and a Northern Shrike about a

week ago. Mrs. Marrie, one of his patients,

claims to have seen 2 Crows & heard them caw

on January 1 very near the house but the

doctor doubts this.

At 4 P.M. Dr. G. & I started for another walk

taking the road up Paradise Hill & following it

so far as the road goes. It was rather cold

We saw no birds. Sunlight fell on the snow

5th in bunches all the way.

Bethel - Cambridge

Ther FRI. JAN. 5, 1912 Wea
18° at Cambridge
4 P.M. Stormy

Cloudy with fine snow falling most of

forenoon. Very cold & raw with N.E. wind.

Left Bethel by 9 a. m. train. Fine, flowers &

fine beautifully powdered with fine dry

snow and the air thick with falling flakes

all the way to Portland which I reached

at 11.50. Thus far I saw only one land

bird, a Crow in T. Alameda. Took 12 o'clock

train, Eastern Div., for Boston. Salt marsh

vegetation submerged by unusually high

tide and Gulls flying over them. Swans

& ice everywhere. Got out met me at

North Station. It seemed bitterly cold in

Boston & Cambridge - far more so than

at Bethel - yet the thermometer stood at 18°

when I reached our house. Went through

my mail before dinner, at which I

had E. R. S. & Miss Hedges, C. being in

her room. Good sleighing in Cambridge

Cambridge

Ther 5° (at 8 a.m.) SAT. JAN. 6, 1912 Wea Fine

Clear & cold with high N. W. winds.
In the Garden saw a Chickadee
a Crow & a pair (♂ & ♀) of Titmice
and ^{heard} ~~heard~~ a Jay screaming. The
Crow was in a pear tree within a
yard of a shank bone of beef which
Gilbert put up there on Thursday but
I did not see him touch it. Gilbert
saw 3 Crows close to it yesterday.

I spent day in Museum
writing letters. Francis S. Shaw
of Concord called at 4 P.M. He wishes
to get in touch with New York game
protectors, especially Brewster. I
promised him a letter of introduction
to Chapman. He stayed half an hour.
E. R. S., C. Miss Haddock & I spent
evening at huggenugger where C. read
to us. I have a heavy cold developing.

Cambridge

Ther 6° at 8 a.m. SUN. JAN. 7, 1912 Wea Fair.

Partly sunny, largely cloudy. Very cold.
A Jay screaming in the Garden was
the only bird noted there except a
few House Sparrows.

Spent most of day in Museum
writing a few letters and several
pages for my journal giving some
account of my recent experiences
at Bethel. My cold was very
troublesome. Because of its obviously
infectious character I took breakfast
and dinner apart from the other
members of the family. At the latter

meal they had as guests Miss Allen,
Miss Joany & Miss Willard. Will &
Alice Stone called in late P.M.

We sat in the huggenugger this
evening and C. read to us from
Dr. Zimphli's book & from Oscar Reisch's

Cambridge.

Ther
6°, 20°

MON. JAN. 8, 1912

Wea
Dull.

Cloudy with rising temperature.
Snow began falling about 6.15 P.M.
It is now (at 9 P.M.) "making" fast
with every prospect of a heavy fall.

In the Garden heard a Jay screaming
& saw a few House Sparrows. There
seems a dearth of bird life there now.

Spent day in Museum beginning
work on a Squirrel article desired
by Mr. Hager for Harvard Grad. Mag.
I half promised it for their January
number but failed to get at it in time.

C. worked most of forenoon typing
some notes by Frank Bolles which
I have had in M.S. for several years.
One relates to Ooks the other to Whiffenrills.

Mr. Cary called at 5.30 to ask me to
give a lantern slide talk at Harvard
Union for Harvard Nat. Hist. Soc. This
I declined to do. C. read to us in
Haggarston this evening.

Cambridge

Ther

TUES. JAN. 9, 1912

Wea
Fair

The snow turned to rain in the
night and this morning every thing
was sheeted with ice. The
forenoon was dull but the clouds
parted & a cold N.W. wind started in here.

In the Garden I saw a Jay &
heard a Flicker. Besides these
there were only a few Sparrows.

My day was spent in Museum
working on the Squirrel article at
which I made but slight progress.
Read Mr. Walker took up more
than an hour of my afternoon but I
was glad to see him. He talked with
me and with Percy about the latter's
case in court in regard to an account
by looking on his son. C. read to
us after dinner while Walter Drann
came to call on Lucy. He stayed
about half an hour.

Cambridge

Ther
10°, 18°

WED. JAN. 10, 1912

Wear
Fair

Clear & cold with fresh N.W. wind
In the Garden saw a Chickadee, a
Jay, a Flicker & a few House Sparrows

Spent day in Museum
working on the Squid article
and getting ahead fairly well
with it. No one came to
interrupt me. C., Miss Houshore &
I lunched together, E. R. S. having
gone to the Haystack; his first
outing of this kind since the
cancer has early last week.

Living Fuller dined with us
this evening. C. read to her after
luncheon but retired to her
room before coming because of
a headache. The Sidewalks are
said to be dangerously slippery
everywhere when not powdered.

Cambridge.

Ther
8°

THURS. JAN. 11, 1912

Wear
Fair

Forenoon sunny; clouds gathering
in afternoon. Cold with light W. wind

In the Garden. I heard a Jay
screaming and saw 2 Flickers, both
females, hopping about on the snow
under the Parkman's Apple tree
eating the fallen fruit with which
the snow was littered. One January!
I saw a Flicker pecking off the bark
of one scabbed pear tree which was so
injured by frosts of this species last year
Gilbert protected the tree with board on
the 2nd & it has not been attacked since

Spent day in Museum working on
Squid article & making fair progress
Sam Henshaw called at 4.30 stopping
an hour. He asked my consent to the
appointment of Outram Bangs as Associate
Director of Herbaria at the Museum instead of
Corydon. I was only too happy to comply.
A Mrs. Panton called in. Mr. Sarah Ames
& her little Golly were at lunch with us.

Cambridge.

Ther
8°, 10°

FRI. JAN. 12, 1912

Wea
Stormy

Still another cold day - indeed bitterly cold - with snow falling ceaselessly yet so sparingly that it no more than 3 or 4 inches between day break & dark.

In the Garden a Chickadee, a Jay, a Flicker and 5 or 6 Sparrows were noted.

I spent the entire day in Museum working on the Squirrel article and doing not so badly with it. No callers except the Carpenter Beech. C. had to go in town for the forenoon & appeared at luncheon late & chilled. She did not come down to dinner after which E. R. S. read from Colman's "Hoor in East" to Miss Henderson.

Cambridge

Ther
-5°, +10°

SAT. JAN. 13, 1912

Wea
Fine

Coldest day of winter thus far & of any January since 1887 the coldest day. Brilliantly clear with light north wind. In the Garden heard a Downy & saw several House Sparrows, a Flicker and 5 Purple Finches, one a handsome red ♂, the other four in the plumage of the ♀. At first I saw only the ♂ and one gray bird the other three appearing about an hour later (12 hr.). They were all, with the Flicker, in our Packman's apple tree feeding on its tiny fruit. While the Gray Squirrels, also, have begun to attack it later.

Spent entire day in Museum working on Squirrel article and almost finishing my first draft of it. Miss Emily Howard luncheon with us. C. read aloud at eve. Teachess telephoned at 3 P.M. to Constance was about having found game birds.

Cambridge

Ther SUN. JAN. 14, 1912 Wea
- 4° Fini

Sunny but hazy. Morning very cold (0° at 9 a.m.) & still, moderating a little as the day wore on.

In the Garden a flock of Purple Finches spent the entire day in Parkinson's apple. I counted 4 red males & 11 gray birds. Several House Sparrows with them. A Chickadee & 2 Downy Woodpeckers, ♂ & ♀, in neighboring pear tree at beef bone, which was visited by a Crow, also. Saw a Blue Jay near there & a Flicker eating blackberries.

Spent forenoon in Museum writing letters & adding a paragraph to Squire's. Miss Allyn, Will & Alice Stone, their daughter Bessy Knutton & her husband dined with us at 1.30. I had the Stones & Knuttons in Museum most of afternoon & showed them many birds, nests & eggs. C., E. R. S., Miss Henders & I read in Kingscupper after supper.

Cambridge

Ther MON. JAN. 15, 1912 Wea
30° Stormy

Raining and sleeting. Trees & bushes encased in clear ice but not loaded down heavily. Mild but chilly.

In the Garden saw 10 or 12 Purple Finches, several House Sparrows & 1 Chickadee. The Purple Finches were in the little apple tree all day. They were greatly bothered by the ice which covered the front & prevented them from getting at it freely. I saw at least two red males among them.

Spent entire day in Museum working on Squire's article and finishing the first draft of it at 6 P.M. G. took at a afternoon copying near than half of it. We had Miss Balch at luncheon. Instead of this evening. Just Jimmy Talbot wintered about a trip to May Lake Grounds in 1906.

Cambridge

Ther
10°

TUES. JAN. 16, 1912

Wea
Fair

Cloudy with dim sunshin in late P.M.
Cold again. Excellent sleighing with
4 or 5 inches of icy snow.

In the Garden a Chickadee, a
Jay, a Downy & 8 or 10 Purple Finches
were seen or heard. The Purple Finches
mostly on snow under Postman's
apple, one or two seeking grubs of
course sand on icy flower walk.

Spent day in Museum
revising Squirrel article, recording &
condensing a number of loose
paragraphs. Miss Henders left on the
boat just after breakfast. We had
Miss Cary Parsons at luncheon.
Wick Simons & his pretty wife at
afternoon tea with Miss Allen & her
niece. C. did not appear after that.
E. R. S. & I dined together. She
read West in French at dinner.

Cambridge

Ther
10°

WED. JAN. 17, 1912

Wea
Fine

Clear & continued cold with
little or no wind. Trees & shrubs
still encased in ice.

In the Garden I saw a 5-12 flicker
and 6 or 8 Purple Finches eating
Postman's apples. Crows were heard
cawing not far off.

Spent evening day in Museum
working on Squirrel article. I
had thought it finished & so it
would have been had not Thayer
informed me by telephone this
morning that he can print only
2000 words while I had written
twice that number. Hence the added
task of condensing & recording.
It will take several days after.
Winstone Clark of Milton called this
afternoon but I could not interrupt
my work in his home. We sat very
briefly - was it in the car & so passed along.

Cambridge

Ther THURS. JAN. 18, 1912 Wea
Dull

Cloudy, calm, mild. Snow wasting fast, ice all off bushes, asalanthes slipping from roofs. A real "January thaw".
In the Garden saw 8 Purple Finches in Portman's apple tree (3 of them red males), a ♀ Downy in a pear tree. Heard Crows Cawing in the lindens about sunrise & later a Blue Jay screaming in the jungle.

The recasting of the Squirrel article proves even more difficult than I had anticipated. I worked at it steadily all day but made no progress.

Indeed I only made a bad matter worse so far as I can judge now.

No one came to interrupt me.

C. went in a taxied to a reception at Milton at Mrs. Forbes's in P.R.

Loisy & I dined together. She read Callens book to me for an hour, later

Cambridge.

Ther FRI. JAN. 19, 1912 Wea
5-0° Dull

Cloudy & very warm with a little rain. Streets deep in slush.

In the Garden. Crows Cawing, Jays screaming, a Golden-Crest (the first noted this month) feeding, about 8 Purple Finches lingering near the Portman's apple tree which they seem to have shifted of from - in 14 days. I think they have been eating only the seeds for the tree is still red with what looks like streaks of the pulp & so is the snow under the tree - this seen from my window.

Spent day in Museum working on Squirrel article. I have cut it down in places & added to it in others. C. was in town all day. Loisy & I lunched & dined together. Emily Haywood with us at luncheon. Henry had dinner. Inding to see this on. Brightly said.

Cambridge

Ther

SAT. JAN. 20, 1912

Wea

7 in.

Brilliantly Clear & cooler with brisk westerly wind.

In the Garden saw a Blue Jay & a ♀ Downy & heard Crows cawing. If there were any Purple Finches I failed to notice them. Two Gray Squirrels were gleaming after them in the Peckman's apple tree.

Worked in Museum all day on Squirrel article, C. Copying it all forenoon. I put the very last touches to it, I am sure, at six o'clock this evening. I began it on Jan. 8th! What a waste of time! No callers to-day. Two loads of snow from Concord. E. R. I read before this

Cambridge

Ther

SUN. JAN. 21, 1912

Wea

20°

7 in.

Clear & cool with light northerly wind having no chill to it.

In the Garden saw only 2 Crows perched in an elm and a few House Sparrows. Heard the screaming of Jays & the in in in of a Golden-cree; also the call of at least one Purple Finch.

Wrote a few letters after breakfast and then walked down to St. John's where I met C. & heard a fine sermon by Dr. Hodges. Walked back with E. R. & Mrs. Lathrop, writing. Dinner at 1.30. We had with us Geo. V. Loomis, Mr. & Mrs. J. B. Russell, Mary Dayton & Miss Allgee. I showed them to the Russell. Geo. V. came out later & we had a good talk. C. & E. R. I went to see in hall after supper.

Cambridge

Ther

MON. JAN. 22, 1912

Wea

Fair

Partly sunny, largely cloudy. Cool

In the Garden saw a Chickadee
A Blue Jay and several Sparrows.
Heard Chows calling in early morn.
Several of our neighbors who sent
out post tell me that the birds
are not coming to it this winter.
They are certainly indifferent to it
in our grounds although the Chickadees
eat a little occasionally. Has had
the big beef bone found much more
attractive. Crows & Jays seem nearly to
insult with out looking at
C. & I worked hard on the Squirrel
article all forenoon. At 12 it was
all neatly copied in type ready
making 10 p.m. I about 3200 words.
Bellows took it to Mr. Hooper at 4.30
p.m. I called on by telephone at 8.30
to have that he "thought it a very
interesting article & would print the
whole of it". This pleases me not a little
at 5 p.m. I came in to C's reading

Cambridge

Ther

TUES. JAN. 23, 1912

Wea

Dull.

Cloudy, calm, mild with
a little fine rain.

In the Garden heard Crows
cawing at daybreak and later
jays screaming, a Flicker calling
& Chickadees (apparently two or
three of them) scolding. Saw a
solitary Purple Finch - a gray one
in the top of a larch. There
were half a dozen House Sparrows.

Spent entire day in large
room of Museum working on the
Purdie collection. Went through
the remaining birds, selecting such as
I care to keep. Dealt similarly with
the nests & eggs. They like the birds
have been infected with Anthrax
and rather badly injured. Of course
we have bisulphurated everything.
No callers or guests to-day.
C. at luncheon only. E. R. S. read
Collier's book to me this evening.

Cambridge

Ther WED. JAN. 24, 1912 Wea
20°; 28° Fine

Clear & Cool with light W. wind.

In the Garden I saw only a Crow a Jay & a few House Sparrows. Three or four of the last named birds are roosting regularly in the vine under the hood over the museum door, a very sheltered place. I started a Scrub Owl from it one night last autumn. Probably he was looking for Sparrows there. No Scrub Owls have been seen or heard hereabouts since winter closed in.

Spent day in Museum working on Purdie Collection. Got the selected skins, nest & eggs arranged & into cans, the others packed to send.

W. Dine meeting at Barbour's this evening. I stayed at home. E. R. S. read "West in East" to me after dinner.

Cambridge.

Ther THURS. JAN. 25, 1912 Wea
6°; 18° Fine

Clear & cold with light N.W. wind.

In the Garden heard Jays and but noted nothing else save a few House Sparrows. A post card that came to night from Walter Deane informs me that Sam Henshaw saw three Evening Grosbeaks on Highland St. about 7 a.m. Jan. 22! I have just written to ask Henshaw if.

Spent day in Museum working on a collection to send to Fond du Lac for a school there. It was begun a year or more ago at C's suggestion & well represented all but 14 species of the small land birds of Wisconsin.

C. watched again this time with car ache which began on Tuesday. He kept in his room all day. Miss Chapman & Mrs. Sherry looked with us.

Cambridge

Ther FRI. JAN. 26, 1912 Wea
-2; +20 Fair

Cold with light northerly wind.
Forenoon sunny; afternoon cloudy.

In the Garden I heard a
Downy and saw a lone Chickadee
and a few House Sparrows.

Spent day in Museum.
Worked on Purdie collection &
other birds; also on preparing for
making extras of Purdie Memorial
100 copies of which came Tuesday eve.

C. much better to day but still
in her room. E. R. S. & I lunched out
the Dinner with Walter & Margie (Bo)
Got galley proof of Squirrel article this
eve but shall not touch it before to-morrow.
Thayer has not changed a word of
what I wrote.

Cambridge

Ther SAT. JAN. 27, 1912 Wea
4° Dull.

Cloudy, the Sun showing dimly
at times, fine snow falling through
forenoon but making scarce more
than an inch in all. Bitterly chilly.

In the Garden I saw nothing
whatever save a Crow in the pear
tree near the beef bone and a
few House Sparrows. Gray Squirrels
seen as numerous as usual & I
have seen them out during the
coldest days. There must be 4 or 5
living in our grounds.

Spent day in Museum. Read
proof of Squirrel paper in A. M.
In P. M. got off a part of Purdie
Memorial C. & E. R. S. helping
E. R. S. read ^{after dinner} ~~nothing~~ to me in hour.

Cambridge.

Ther SUN. JAN. 28, 1912 Wea
- 3° + 20° Fine

Clear & Cold with light N. wind.
Slippery Sidewalks. Perfect sleighing.

The Garden failed to show me
a bird of any kind save the
House Sparrows, present in numbers.

Met C. at St. John's at 10.40.
Dr. Hodges absent. Poorish sermon
by one of his assistants. Thin
attendance. I walked both ways,
C. went & returned in a coupe.

We were all at dinner & had with us
as guests Mrs. Leonard Hyman,
Miss Allyn, Mrs. Cobb & Leamy Fuller.

Wrote letters in Museum before
& after church & after dinner. C. & R. S.
read Thieling on India in evening.

Cambridge.

Ther MON. JAN. 29, 1912 Wea
12°, 22° Snow Storm Stormy

Cloudy with fine, dry snow
sifting down almost ceaselessly yet
making no more than 3 inches all day.

If the Garden attracted anything
save Gray Squirrels and a few House
Sparrows I had no evidence of it. There
can be the Chickadees, Kinglets &
Woodpeckers which frequented it
earlier in the winter have gone of late.

Spent day in Museum trying to
compose an appropriate foreword for
the posthumous notes by Frank Bolles
on Hippodamia & Ovals. Made but poor
progress at this task. Charlie Hayes
interrupted it by arriving at 1.45
staying until 4. At 4.45 I came
in for a chat with the Reading Class.
Sat in hall after dinner C. & R. S. reading & tea.

Cambridge

Ther TUES. JAN. 30, 1912 Wea
Dull.

Cloudy with a little fine snow
falling every now & then. Calm.
Rather mild but not melting.

In the Garden heard a Jay
screaming and saw a few Sparrows
but noted no other birds. Three
Gray Squirrels, probably two males in
amorous pursuit of a female, ran
all over the place, mostly through
the snow-laden tops & upper branches
of trees, keeping it up at intervals
for an hour or more.

Spent day in Museum working
on "foreword" to Bolles field notes.
It went badly in forenoon, finally
in afternoon when I finished it.
C. & E. R. S. read aloud to me in
"Haggengranger" this evening.

Cambridge - Boston.

Ther WED. JAN. 31, 1912 Wea
Snow-Storm.

Cloudy with light N. wind,
large flakes of damp snow falling
all day making about 3 inches.

A Blue Jay & Sparrows in the Garden.

To Harvard Sq. for hair cut 9 a.m.
Then to Miss Purdie's studio where
I selected a number of Huxley's letters for
Wofford's library, John Bolles & myself.
Called on Stokes, seeing Alice & Mary.
Meeting Trustees Pub. Res. 42-1.
Dr. Walcott in chair, Nat. Kidder, Jas.
Briggs, Edw. Forbes, Dr. Woodbury, Messrs.
Clark & Olmstead & two others there.
Next to "Gusset O' Grapes" for lunch. Then
to our office 1.30 - 4 P.M. Next looked
at Smith tigh. revision for C. Then called
at Holden's & bought yellow Canary \$5.00/
Got home at 6. S. read transcripts &
E. R. S. Helping in Haggengranger this eve.

Cambridge.

Ther

THURS. FEB. 1, 1912

Wea
Fine

Brilliantly clear with fresh, cold N.W. wind
Ground snow - covered to depth of
about 10 inches. Excellent sleighing.

In The Garden I saw a ♀
Junco and a Goldfinch, neither of
which species was noted there last
month, besides a Blue Jay, a Downy
and six or seven House Sparrows.

Spent day in Museum (where the
new Canary sang delightfully). Began
on Umbagog book for first time since
last Spring & wrote 2 pp. about the
Hooded Merganser. Worked most of P.M.
on changes in text of foreword to
posthumous notes by Frank Bolles suggested
by Mrs. Bolles who read the M.S. this
forenoon & debated several inaccuracies
of statement. Mr. & Mrs. Sawyer, Miss Allen
& Mrs. Brewster dined with us at 1.30.
C. & E. R. S. read to me this evening.

Cambridge.

Ther
30°

FRI. FEB. 2, 1912

Wea
Fine

Cool, calm & sunny with clouds
gathering in late afternoon.

In The Garden there were about
the usual number of Sparrows, a
loud-screaming Blue Jay and a
single Chickadee eating fruit. I saw
no other birds. Squirrels were frequently
in sight. One was carrying a large
apple in his mouth with much difficulty.

Spent day in Museum. Packed
out a lot of Whippoorwill & Kingfishers
to send to Tailfeather for use in connection
with his book and a Long-billed Cuckoo
which Wayne collected & sold me in 1889 &
which I am now giving him at his urgent
solicitation. Began work on Umbagog book
at 11.30 kept at it until 6.30 making
fine progress with an article on Hooded
Merganser. C. in Boston all day.
She & E. R. S. read about after dinner.

Cambridge

Ther

SAT. FEB. 3, 1912

Wear
Time

Much colder, the snow sparkling
in brilliant sunshine.

In the Garden I saw a Jay
and a few House Sparrows &
heard a Downy calling.

Spent day in Museum
working on Hooded Merganser.
It dragged somewhere but
ground out a couple of
additional pages of dubious worth.
No one called except Phelan
whom I sent for to see about
something in the Ford's house.

E. R. S. went out to lunch
at Miss Balch's. C was with me.
We three spent evening in Hyannisport
reading aloud from Kipling.

Cambridge

Ther
21°

SUN. FEB. 4, 1912

Wear
Time

Clear with strong, raw N.W.
wind which seemed to pierce one's bones.

In the Garden saw only a Chickadee,
a Blue Jay & about 12 House Sparrows.
Heard a Crow cawing & a Yellow
calling in the Longfellow's grounds.

To St. Johns at 10.40 with C.
Dr. Hodge preached. Dick Dana in
his pew & Sarah Bates in hers. The
wind hard to face walking home.
Besides Miss Allyn we had with us at
dinner Will & Alice Stone and Harry
& May Cunningham. They all left
about 3.45, C. & the Stones taking a
motor car in town. I wrote letters in
Museum 9.15-10.15, 12.15-1.15 & 4-6.
C. & E. R. S. read aloud this evening.

Cambridge.

Ther
10°

MON. FEB. 5, 1912

Wea
Fair

Thin clouds with crisp, cold air
& little wind

Crows cawing in lindens at sunrise.
Jays screaming in the Garden later.
A dozen or more House Sparrows about
the place. No other birds noted.

Working on Umbagog in Museum
all day. Added three M.S. pp. to
Hooded Merganser. C. copied all
forenoon, typing what I have done
thus far some 1700 words.

Miss Balch at luncheon. I
came in at 5 P.M. to afternoon tea
with C.'s reading class.

Nuttall Club meeting this evening.
Nat Francis read a paper on Grebes
- very whimsical & amusing.

Cambridge.

Ther

TUES. FEB. 6, 1912

Wea
Dull

Cloudy, calm, mild threatening a
storm which failed to materialize.

Heard a Crow cawing at sunrise
^{noted}
but ^{no} other birds about the place
except House Sparrows.

An interrupted day. C. left
for Boston at 11 to spend a
week at the Abbottsford with Emory
Hutton (who came from New York);
Billcliffe arrived at 11.30 & stayed
until 3 making measurement for changes
in Museum; Copeland appeared at 2
to select some Purdie birds; Batchelder
called at 5 & stayed until 6, chatting.
Nevertheless I worked at my writing
at odd times & added 2 pp. of M.S.

E. R. S. read aloud & Mrs. Codd dropped
in for half an hour, this evening.

Cambridge.

Ther WED. FEB. 7, 1912 Wea
Fine

Sunny, Calm & rather mild
the snow thawing a little but not
enough to injure the Skating.

The only birds noted in the Garden
were a few House Sparrows.

Spent day in Museum working
on Umbagog and adding several
pp. to the Hooded Merganser story.

John Baker and Mr. Harmon
came to look over the Purdie birds,
the former talking away a good
many, the latter none.

Mrs. Hager & Emily Hayward
lunched with Henry & me. The
former had just seen Miss Eastwood
who landed from S.S. Duvarion last am.

Henry read Kipling to me this eve.

Cambridge.

Ther THURS. FEB. 8, 1912 Wea
35° Fair.

Sunny but very hazy & at times
cloudy. Calm & mild with melting snow.

Crows Cawing about the house at
sunrise, a Golden-crust Kinglet heard
in the Garden at sunset. No other
birds save House Sparrows.

C. came out from Boston to
type, write and kept at it steadily
from 9.30 to 1 copying all I had
written & wrote this morning. The
Merganser story is now finished, I think.

At 1.15 E. R. S. & I started for
Miss Allyn's rooms. Soon after we got
there Mrs. Bolles joined us. Miss Allyn
gave us a delicious luncheon. I got
back at 3.30 & found William Bangs
who had come up to look at birds
at 4. I met Prof. F. M. Patterson in our
old house - He has a very large
house in - E. R. S. had Henry & Emily

Cambridge - Boston.

Ther
50

FRI. FEB. 9, 1912

Wear
Fine

Clear & cold with brisk N.W. wind.

A Downy (3) & a few House Sparrows were the only birds noted in the Garden.

Spent forenoon in Museum Superintending Billcliffe's work on folding case of mounted birds. Also revised M.S. of Merganser Story. Betsy came to select from Purdie birds.

I went into town just after lunch. Ordered a lot of flowers at "Prosy" for C. & Emmy. Called on Miss Purdie to keep & advise her about disposal of birds. Was there from 2.35 to 4.20

When I went to Abbotsford. Afternoon tea with C., E. R. S., Sister Frances, Miss Hendes & Mary from Norfolk. Dined at 6.45 with C., E. R. S. & Emily Kitchell. Will & Alice Stone came at 8. They & I left at 9.15. I spent hour at Atlantic Club reading & got home at 11. Bitter cold night.

Cambridge.

Ther

SAT. FEB. 10, 1912

Wear
Fine

-47 min + 20 max.

Clear & bitter cold with fresh N.W. wind.

Total range of Ther. from sunrise to sunset on day degree is -47° to +20°.

Two Crows in lindens, four or five Sparrows in Garden. Saw no other birds about the place.

Spent day in large room in Museum directing work of carpenters etc. They finished installing the folding case - now a sliding one - at its new position & Gilbert & Percy put back all the mounted birds in it.

I transferred part of first series from small case to big one.

Bronchial cough well again & called me to work. I decided not to go to Atlantic Club to-night. Sent my letter to Mary Stone. E. R. S. & I read papers to our own minds.

Cambridge

Ther 2°, 20° SUN. FEB. 11, 1912 Wea Fine

Clear & somewhat less cold with light N.W. wind.

Only birds seen about the place were 2 Crows & a few House Sparrows.

Spent forenoon in Museum.

Worked on Morgan's story adding known fresh matter, interpolated.

Walter Deane called at 12.40 & stayed half an hour. E.R.S. & I had at dinner Miss Allyn, Mrs. Abbott, Irving Fuller and Miss Eastwood whom I saw last in London. She all departed at 1.30. After that I wrote letters in Museum until 6.30.

E.R.S. came dropping to me after supper.

Mrs. Bolles left message to S. of her husband's to-day for me to look over some of the papers now underfoot.

Cambridge

Ther 4°, 24° MON. FEB. 12, 1912 Wea Fine

Clear & calm with rising temperature.

Heard a Jay screaming in the Garden & saw a few House Sparrows there.

Spent day in Museum superintending work of two carpenters & Gilbert. Percy with us afternoon. We moved lots of things to new places & I got the entire first series all my tropical birds, & all my butterflies, in one large case.

Walter Deane called at 9 a.m. & spent 20 minutes. He borrowed a pair of White Pigeons to show a friend. Miss Balch hurried with E.R.S.'s man. I came in to reading class at 5 & had a good talk. Preston Clarke came out at 7.45 & stayed with 9 looking at some of the papers. I was very thankful & his presence was to me a great relief.

Deane saw pair Sparrows in garden on Butler's place.

Cambridge.

Ther TUES. FEB. 13, 1912 Wea
10°, 24° 7:15

Clear & Continued cold with light
westerly winds. A good winter day.

In the Garden I heard a Chickadee
and saw 3 Blue Jays all together
in the lilacs. There were a few
Sparrows, also.

Spent day in Museum supervising the changes making there. We got all the mounted birds settled in their new places and the gallery opening along its entire length on the room beneath. Looks merely splendid when the tiers of boxes have been, a great improvement. I grudge giving so much time to making these changes but they are imperative. E. R. S. & I had breakfast lunch & dinner together. She said nothing to me this evening.

Cambridge.

Ther 12°, 30° WED. FEB. 14, 1912 Wea Fair.

Cloudy with light southerly wind
and slowly rising temperature.

Crows cawing near the house about
sunrise. Nothing but Sparrows seen
in the garden.

Spent forenoon in Museum
writing letters. Phil's man at
work running water pipe from cellar
to balcony. Bill Claff & his man
began tearing out cornice at South end
of building. It will be replaced by a
plate glass skylight. Walter called at 9.

I arrived in town at 1.30. Called
at office & dictated letter to Prof Paterson.
Then to meeting Am. Soc. Directors at
Mrs. Cabot's. I expressed disapproval of
Sale of game bags which were being sold
for food, fuel, clothes, medicine, etc. by
Mrs. H. W. H. H. H. H. H. H. H. H. H.

Cambridge.

Ther
24°

THURS. FEB. 15, 1912

Wear
Fair

Sun shining dimly & fitfully through
dense haze & thin clouds. Calm & mild

In The Garden heard a Chickadee, a
Golden. Crest, a Brown Creeper, a Downy &
one or two Crows. Fresh work of Flicker on
upward branch of beech far from tree but
no bird of this species seen about one
place this month.

C. came from Boston at 9.20 and
her typewriter clicked in Museum in which
foreman. I could give her only 2 pp of
M.S. as she worked mostly at copying
her diary of several years ago. I
wrote the Mallard & Red-b. Black Duck
for Umbagog book doing 5 pp mostly in
P. M. C. & Miss Emerson at lunch.
E. R. S. read Thyring this evening

Cambridge.

Ther

FRI. FEB. 16, 1912

Wear
Dull.

Cloudy with light easterly winds. 2
Chilly but rather mild, the snow 15
thawing a little despite the absence of sun

Two Downy Woodpeckers & a Chickadee
flitted through The Garden about 9 a.m.
I saw nothing else there except Sparrows

Spent day in Museum working
on Umbagog book. Began on the 15
Black Duck and wrote about 4 pp.
It's likely to be a long story for the
subject is of exceptional interest, at
least to me. Fortunately I should be
able to draw much more copiously
than usual from my journal which
contains many pertinent passages ready made
E. R. S. & I breakfasted, lunch & dined
together. She read aloud from 8 to 8 Bell
as usual

Cambridge

Ther
25°

SAT. FEB. 17, 1912

Wea
Fine

Sunny, calm & mild.

A Golden-crest, a Chickadee, a Blue Jay, a Downy and 2 Crows seen or heard in the Garden. The Chickadee was whistling the phoe-be notes at 3 P.M., the first time I have heard them this year.

Spent day in Museum working on the Black Duck story & making small progress. For one thing I had a headache, for another Bleakoff interrupted me several times with questions about the fly light which is glued & in place flooding the big room with light.

Mrs. M. G. Gordon lunching with E. R. S. & me. E. read transcript to me this evening.

Cambridge - Boston

Ther
25°

SUN. FEB. 18, 1912

Wea
Fine

Clear & calm. Early morning frost, very mild later in day with water, slush & mud in all the streets.

In the Garden noted a Downy, a Jay & Sparrows.

To Boston at 9.45; Met C. & G. at Immanuel Church - Beautiful music but I did not like sermon by Dr. Worcester. G. & I called on Sally Dearborn after leaving church. Back to Abbotsford by 1 P.M. We had as guests there Dorothy Carter, Mr. Harlow & his fiancée Molly Good. Dined at 1.30 in inner room.

Talked in C's room from 2.30 to 3.30. Home by 4 to find Wally Garrison & his wife. E. R. S. read this evening.

Cambridge

Ther
30°

MON. FEB. 19, 1912

Wea
Fair

Mostly Cloudy or very hazy with
pale sunlight showing every now & then
Very mild with little or no wind.

The Garden apparently unvisited by
any birds save a solitary Crow, which
perched in a cherry tree & cawed loudly,
and a few Sparrows.

I spent day in Museum working
on Black Duck sketch and adding
two pp. Had many interruptions
& a good deal of revising of sheets
which C. was copying. She was at
lunch & then & coming at dinner.
I came in to reading class to record
Carpenter finished South Allyn in Mass.
Method Club meeting, 19 present. I
read Hooded Merganser sketch.
Horseheads gave by party. I was the
last to go.

Cambridge.

Ther
46°

TUES. FEB. 20, 1912

Wea
Fine

Raining from day break to 10 a.m.
Remainder of day clear, calm &
warm

A Blue Jay screaming in the Garden
Nothing else noted there except a
few Sparrows.

Spent day in Museum working
on Umbagog book but making
wretchedly poor progress - as the
Black Duck story. The building
was disturbed by men & women
for two carpenters & two plumbers
were busy there, besides Percy &
Gustaf, and I was appealed to
by them every now & then. C.
interfered from the telephone to stay.
Late this P.M. I dined at hotel
& spent evening. Very small dinner.
Mrs. Macmillan, Robert & Mrs. Thompson
& Henry & after dinner the other guests

Cambridge.

Ther
25°

WED. FEB. 21, 1912

Wea
Dull

Dusky cloudy with heavy rain
beginning soon after midnight.
Early morning cool, evening warm.

A Chickadee whistling phoo-ee, ee-Downy,
+ a Jay screaming lustily were the only
birds except Sparrows noted in Garden.
An emaciated Siskin Owl in gray
plumage received this morning by mail.
from Concord was found, Mrs. James
writes, alive but weak in the yard,
in front of our Bungalow. She put it
in a cage but it did not live long.

Spent day in Museum working
on Black Duck story & making
trifling progress. Darling called at
9 A.M. & I went overth 149 with him.
Phelan & Herbert. C. & E. R. S. read
aloud to me this evening.

Cambridge

Ther
40°, 26°

THURS. FEB. 22, 1912

Wea
Clear.

A wild day with raging N. W.
wind which by night fell increased
to a living gale & has not yet abated.
It has blown down many branches from
the lindens & snapped off a tree
spruce in the cloths yard. The
deluge of warm rain last night has
removed most of the snow & exposed
many patches of green turf on our lawn.
Streets & sidewalks very icy again.

Saw a Chickadee & a ♂ Downy
in the Garden.

Spent day in Museum working on
Black Duck story rather unproductively.
C. spent all the forenoon M.S. I had
No callers. C. & E. R. S. read aloud
from Kipling's "Sea & Sea" this evening.

Wrote & sent letter resigning my directorship
in Nat. Acad. Sci.

Cambridge.

Ther

FRI. FEB. 23, 1912

Wea

Fine

Clear & Cool with strong N.W. wind

Heard a Chickadee in the Garden.
No other native bird noted there

Spent day in Museum trying
to add something to Black Duck
story, but actually failing to produce
a single line that can be used.

Never before have my brains failed
me so utterly for work of a similar
kind, yet I felt physically well
and not in the least muddled.

I did manage to do something on
history of Hesperomys & Oryzomys by
Barro which came this morning.

Maynard called at 3 P.M. & spent
an hour comparing birds with my
series. He looks old & grayer than ever.
E. & E. R. S. read aloud to me this evening

Cambridge

Ther

SAT. FEB. 24, 1912

Wea

Fine

Sunny, calm, mild, with
slippy streets & sidewalks.

No native bird of any kind seen
or heard about town place. House
sparrows out in force & rather noisy.

Spent day in Museum
working on Black Duck story.

Advanced it considerably, but
what I wrote was mainly
compiled with few changes
from field notes in my journals.

Apparently I have not as yet
emerged from the muddled-headed
condition of the past few days.

C. went in town for most of
day & came back very tired.

E. R. S. read Kipling to me this evening

Cambridge.

Ther

SUN. FEB. 25, 1912

Wear
Fair

Densely hazy, calm, warm.
Most of the streets and lawns
now free from snow & ice.

Heard a Chickadee & a Blue Jay in
the Garden. It swarmed with
clamorous Sparrows.

Although I had sworn not to touch
the Black Duck story to day I worked
on the whole forenoon or rather on
the miserable little passage that has
boggled me since Thursday & is perhaps
not yet finally done with. How
can the book ever be finished at this rate.

At 1.30 dinner was had Mrs. Cobb,
Miss Chapman, Alice Allgren. All the
bulbous plants at the back were melting
a brown show especially in the dining
room & hangerway. The ladies spent half
an hour with me in Museum after dinner.
C. & E. R. S. read Kipling 8-9 P.M.
C. & E. R. S. read Kipling 8-9 P.M.
C. & E. R. S. read Kipling 8-9 P.M.

Cambridge.

Ther

MON. FEB. 26, 1912

Wear
Dull

A gray, mild but chilly day
with heavy rain & pelting hail
beginning soon after midnight.

Crows cawing about house at dinner
- a noisy one. A Blue Jay screaming
& a Downy calling later in Garden.

The usual talk occupied me
through most of day. C. came
out at 9.30 & soon copied out
the M.S. I had for her. I added
a couple of pp. in P.M. but got
all my thoughts & most of the working
from field notes written years ago.
Came in for afternoon tea with
C's reading club. Talked chiefly
with Kate Hartford. Miss Bates on book
C. & S. R. S. read to me after dinner

Cambridge - Boston.

(Interview with Judge Abbott.)

Ther TUES. FEB. 27, 1912 Wea
30°, 40°, 26° Fine

Clear with falling temperature &
rising N. W. wind after sunset.
Sidenwells dangerously slippery in early
morning but slippery by 10 A. M.

Heard Crows cawing at sundown &
Jays screaming, later, in the Garden.
A Screech Owl was uttering the
or chimney whistling cry in Cherry Street
place at 9 P. M. when I ceased driving &
home. I have not noted one in our
grounds since last autumn.

Met Judge Abbott in our office by
appointment at 11. 30. Talked with him
half an hour. Saw him again for Wilson's
school expenses. Told him that I should
try next October to have him appoint a
fourth trustee of Brewster Estate & that I
would accept only \$2000. Compensation if
he could be added to the Board at say 1000.
Saw Darling & asked him to recall and
send of 146- Bottle to Mrs. Fred Palmer
Box 11000 to Leach. Tried to write in P. M.
having 4 other things to do on 7. The
letter started for Colo. for G. L.

Cambridge.

Ther WED. FEB. 28, 1912 Wea
25° Fine

Clear & cool with fresh N. W. wind

A single Blue Jay in the Garden.
Nothing else save Sparrows noted there.
Bent tells me that small birds of
every kind are scarce or wanting about
Jewettown. He has never before known so
birdless a winter there. Townsend
reports seeing a Blue Jay recently in
Commonwealth Avenue, Boston.

Spent day in Museum working
on Black Duck story & making
some, if slight, progress. The
carpenters have nearly finished the

We Dine at Batey's this evening.
All there save Jackson & Barbours.
Good dinner of course.

Cambridge.

Ther
25°

THURS. FEB. 29, 1912

Wea
Time

Brilliantly clear with brisk, cold N. W. wind. The ground remained hard frozen all day except in sheltered & sunny places. It is still partly covered with snow in low hollows of the coming spring are not coming. Thus the cereus in flower of the house have opened their buds and are apparently about to bloom.

In the Garden heard a Chickadee, a Jay & a Downy. Gilbert saw what he thinks was 3 Purple Finches in the Parthenon after tea.

Worked all day on Black Duck Story adding a page or two. C. Loring is in forenoon. Dr. Phillips called in P.M. & spent an hour measuring my Florida Black Duck. Long taken on breakfast with us. C. & E. R. & Rand about as usual in the evening.

Cambridge.

Ther
18°, 28°

FRI. MAR. 1, 1912

Wea
Time

Another windy, rather wintry day with clear sky & bright sun. Hence this March may be said to have "come in like a lion"

In the Garden heard a Chickadee calling & a Jay screaming.

My customery task occupied the entire day & progressed better than usual for I added more than two pages of clearly written M.S. to the Black Duck Story. Whitcomb called soon after.

General Post is discuss the possibility of relaying museum floor with granolithic concrete. He will elaborate later. C. in town all day. Sh. & E. R. & S. Rand about the same.

Cambridge

Ther

SAT. MAR. 2, 1912

Wea

fine.

Clear with high N. W. wind. Ground
hard frozen all day even in sun.
Streets filled with clouds of dust.
Air bitterly raw & piercing.

A Chickadee roosting in Garden
Nothing else but Sparrows there.

Spent most of forenoon writing
cheques for bills. Did a little
work on Black Duck story before
lunch & a little after. In mid-
afternoon went with C. to call on
Miss Allen. While there saw a man
on skates flying down river propelled
by a cotton sail. Went with C. to
St. John at 5. To lecture on Character
Cold walk back, Nick & Albin Stone
dressed with us at 7 & spent evening.

Cambridge.

Ther
10°.

SUN. MAR. 3, 1912

Wea

fine.

Clear & Cold with fresh N. W. wind.
Ground frozen hard. Typical winter
weather except for bright sun & long
hours of daylight.

A Crow cawing & a Jay screaming in
the Garden.

A mangy-looking Gray Squirrel
with large patches of bare red skin
showing on head, neck & shoulders was
collecting hawthorn strands of bark in
pear tree, 3 P.M. Finally making them
into ball then carried it up somewhere
under muslin bag, no doubt to live with.

Spent greater part of day writing
letters in Museum. Throat cough kept
me from church. C. went alone.
We had Mrs. Wyman, Miss Hammond
& Emma Howard at dinner.

Cambridge.

Ther

MON. MAR. 4, 1912

Wea
Fair

Sunny but densely hazy with
flurries of snow flakes. Cold with
bit of chill in air.

In Garden heard a Crow cawing, a
Jay screaming, a Chickadee Chipping.

Heard Squirrel at intervals in loft
over study. Saw Gilbert up. He found
the nest in a pigeon box. No young yet.
Squirrel made its noise after sunset.

Spent day in Museum working
on Black Duck story. Did fairly well.
C. copying my m.S. all forenoon.

Came in at 5 to C's evening class.
Miss Eastwood there to say good bye.
Learns Cambridge this week, not to return.
Nutshell Club this evening. 19 present.
Fair paper by Townsend on ancestral
traits in birds. Long discussion.
Many field notes. Chedden's Corner.

Cambridge.

Ther

TUES. MAR. 5, 1912

Wea
Fine

18°, 22°

Clear & cold with light W. wind.
About half an inch of snow last night.

Purple Finches again in Garden
7 of them, all gray birds, one
working softly. They were in
Parkman's apple tree all day long.
Heard a Crow cawing & a Jay
screaming. Only a few Sparrows.

Spent day in Museum working
on Black Duck story. Added two
pp. of fresh m.S. & revised some
old sheets. Miss Allgeer at
luncheon with C. & me.

Prof. Putnam called in late
P.M. to talk about his house
& Roxford to select Purdie birds.
C. & E. R. S. read about this eve.

Cambridge.

Ther
12° 30°

WED. MAR. 6, 1912

Wea
Fair

Mostly cloudy; calm; cold.

In the Garden saw 9 Purple Finches,
a Jay & a ♂ Downy. Six or seven
of the Purple Finches were gray,
two red males. One was singing
So-ta-voe. All were in the Postman
apple tree or on the ground beneath it.
They remained there nearly all day.
They were so shy that I could not
get within twenty yards of them.

Worked on Black Duck sketch all
day adding about 2 pp. Dined
alone at I. C. & E. R. S. having gone
in town. We all suffered together &
had something about Lotte. Ruth Dean
has sent me a lot of letters which
to write Harvey Parker in the 70's.
One from Palatka is most interesting
bright & funny & all are good.

Cambridge.

Ther

THURS. MAR. 7, 1912

Wea
Stormy

About 1 inch of snow fell last night.
It melted & was washed off by
light rain to-day. Air mild but
chilly. Wind light, N.E.

Heard the low song of a Screech Owl
over at day break, apparently from Linden.
2 Purple Finches, both gray ones, in
Postman apple. Saw a Blue Jay
& heard a Golden-crow in jungle.

Spent day in Museum working
M.S. of Black Duck story & adding
a little fresh matter. C. worked
through forenoon copying it. In
afternoon I worked a little on
Wisconsin collection, now about ready.
Put in our annual supply of coal
to-day. To Square at 5.30 for hair cut.

Cambridge - Concord.

Ther
50°

FRI. MAR. 8, 1912

Wea
Fair

Sunny but hazy. Very warm with light S. W. wind & gathering clouds.

In Garden 9 a.m. Saw a Jay & 6 Purple Finches (all gray). A Flicker "shouting" lustily in distance towards N.

Gilbert & I took 10.08 train to W. Red. Crossed river on ice. Found Leph at work on Davis Hill. He began on 5⁰⁰ & has cut down a lot of oaks. Is living in a little portable cabin he "made with an axe & hammer".

Thence to Farm via Birch 7. Roads & field bare & muddy. Six nesting bags, snags in woods, molting honey suckles. With no overcast? first-hand frosty & was so warm. Typical blue bird day but no bluebirds or other spring birds save a pair of ad. B. Kinglets soaring over Birch 7. Two Crows & a Jay seen. Redpolls heard. Gilbert started 6 Partridge & a Phoebe. 1 Chickadee at 7 a.m. Many W. haw. Bats here. Many birds of 8 quails, a few of Robins, one of Skunk. No deer on their travels down as winter by either. Rather warm. Pat saw one hawk to day. Arrived at 12 a.m. home. Walked back to W. Red. Under Pat's & Gilbert's table 4.24 train to Arlington. Saw one Phoebe from car window on Shady Hill Parkway.

Cambridge.

Ther
46°

SAT. MAR. 9, 1912

Wea
Dull

Cloudy, calm, mild. Nearly all the snow & ice has melted now. Two crows in front of house show swollen white buds of feet & ready to open at any time.

In the Garden were 2 gray Purple Finches one of was singing rather loudly & hovering about the others with quivering wings. I heard him at intervals all day. Also heard a Chelidon & saw 2 Crows.

News came from Peterborough by mail this morning that George Kitchell had an attack of heart trouble yesterday & had lost the power of speech. C. did not at once to go on off day and started with Miss Gurney by 1 P.M. Kitchell expects Gilbert went in with them to station. It was a broken day for me. I wrote letters and cleared out my desk. Also worked on down remembered books. E. R. C. sent transcripts to me in house this evening.

Cambridge

Ther
26°

SUN. MAR. 10, 1912
First Crocus

Wear
Fine

Clear & Cool with light N.W. wind.

In the Garden saw 3 Purple Finches (all gray ones) and heard a Chickadee whistling. Crows were coming in the windows at sundown. House Sparrows very noisy all day.

Most of forenoon spent in writing a definite letter to Miss Hunter at Wolfboro and an easy one to Dr. Rogers at Tondachoc. Loring & I had at dinner Miss Allen, Miss Hopkin, Lucy Dwyer, Kate Horsford & Mrs. Harris. I took them to Museum at 3 & we spent half an hour there. Pinner came at 3.30 to plan for next week at Concord. Loring read Hopkin's to me this evening.

Cambridge

Ther
24° 34°

MON. MAR. 11, 1912

Wear
Fine

Clear & cool; light northerly winds.

Fine gray Purple Finches were in the Garden all day, mostly under the Parkman's apple tree glazing seeds they missed when the ground was covered in snow. A Chickadee was whistling ~~pleasant~~. Crows coming at sundown.

A night letter came from E. this morning. George is still very ill but his doctor thinks he will recover.

I worked on Wisconsin collection whole forenoon & wrote letters & chapters in afternoon. Came in to reading class at 5. Seven members present. Miss Balch lunched with Loring & me. Spent evening at the Always' with Charles & Nellie.

Cambridge

Ther
34°

TUES. MAR. 12, 1912
City Election

Wear
Dull

Cloudy with rain in afternoon
& evening. Mild but chilly.

A Purple Finch warbling softly &
a Jay screaming harshly in garden.
Crows cawing about house at sunrise.

Returned work on Black Duck
Story and wrote a couple of pages
deeper interpretations. Met Darling
at 149 & discussed further changes
with him. After that went to the
pools in Lowell St. & watched a
great team out of rowing to support
Prof. Brad for Election Committee.
Biddle called at 2 P.M. to talk
about a new essay for recorded bird
E. H. S. read manuscript to me this eve.
C. Stier in New York. Ralph Gilman
over from his new room saying they
seem to like it & finally think him all

Cambridge

Ther
46°

WED. MAR. 13, 1912
Aud. Soc. Meet. Rain Storm

Wear

Warm rainstorm, heavy at times
& lasting through forenoon & early afternoon
a very dark & dismal day.

A Blue Jay screaming in garden.
No other birds noted there but a ♂
Sp. Hawk Hawk seen flying over
Lawn at 5.30 P.M.

Spent forenoon in Museum working
on Black Duck article. Went in town
at 3.30 to meeting Aud. Soc.
Debate, 4-6.30. After disposing of
routine business I told them I had
decided to resign both as President
& Debater, giving my reasons in full
& telling perhaps half on here. They
all insisted that I must not do so,
saying I was perfectly free to say or
do anything I liked within the agreed
general, history of society or use. I finally
said I would think it over.
C. was whom I got

Cambridge.

Ther

THURS. MAR. 14, 1912

Wea

Fine Snow deeps.

Fine

Clear, calm mild. 6 snow drops
out from Museum. 62. cressons front house

An unseen Purple Finch sang
at frequent intervals all day long
in the Garden flooding it with his
sweet, subdued warbling. Also heard
a Chickadee whistling & a Downy calling.
Passing Smith place, 3 P.M., saw 2
sparrows Hawk perched on top of big
buttonwood by barn. Looks as if pair
might nest again in Smith place.

Spent forenoon in Museum working
on Black Duck story. C. copied enough
to make 5 1/2 hr. - 40 letter pages, working
9.30 to 1. At 3 P.M. we called at the
Dana's, Henry & Edith. Went then to
Mrs. Bolles to hear more tales about
moss. It was most interesting. About
50 people crowded into parlor.
Gilbert came up this evening to try
kitchen in wood place. C. & E. drove out
to South Cambridge, St. J. 12.

Cambridge

Ther

FRI. MAR. 15, 1912

Wea

35°, 61°

Stormy

South-west storm raging all day
with violent winds & floods of rain.
It continues unabated at 9 P.M.

Pat Flannery who came down
from Concord this afternoon says that
the river was everywhere open
yesterday & the annual slaughter of
muskrats began. He says there
was clear water to day from the
cabin across the meadows almost
to my boat house. He has noted
no spring birds as yet.

Spent day in Museum. Put
final touches to Black Duck story,
began on Feb. 16, and took
up Green wing Teal this afternoon.
Little Jimmy Hayward a lunch with
E. R. & Wm. C. in town all day.

Cambridge

Ther
42°

SAT. MAR. 16, 1912

Wea
Fine

Clear & cool with light W. wind.
An unbroken belt of crocuses of
various colors making a fine
show in front of house.

A Purple Finch singing rather
loudly & a Jay screaming wildly in
the garden. Heard also the whistle
of a Sparrow Hawk as I sat at my
desk. Crows cawing at dinner.

Spent day in Museum working
on Green-winged Teal & completing what
little I have in day about it.

Gilbert & Percy went to Newton
to get some more Ponding birds
& eggs shared them. They brought
back a surprising number -
some very good ones.

Wier & Helen Stone dined with us
at 7 & spent evening

Cambridge.

Ther

SUN. MAR. 17, 1912

Wea
Fine

Clear, calm, mild - a perfect
early spring day with no trace
of chill in the still air.

In the Garden heard a Flicker
shouting loudly, a Jay screaming &
a Purple Finch chattering. Also a
Scratch Owl there uttering its low
song at 6.30 P.M. No spring
arrivals yet. Fully expected Grackles
to-day & perhaps Robins & Song Sparrows
for couleations are ripe for them now.

On way to church at 10.30 heard
another Flicker shouting in Longfellow Park.
Mr. Nash passed so fine a sermon
as I ever heard. At 1.30 dinner and
had Mr. & Mrs. McMillan, Margie &
Walter Dean & Miss Allen. They all
left by 4. I wrote a few letters.

Cambridge.

Ther WED. MAR. 20, 1912 Wea
First Crows Blackbirds Fine

Heavy rain just before day broke.
Clear at sunrise & all day. Forenoon
warmer, afternoon cool, evening cold.

First truly spring birds in Garden
& Crows Blackbirds (1 at pond). Also
saw or heard then a Pough T. Finch, a
Jay, a Chickadee, a Crow. Heard a
Scrub Owl landing 9 P. M.

Spent day in Museum. Worked
on Pardal Gad (last lot) most of
forenoon; on Blue winged Teal which
all afternoon. Mr. A. Pearson came
out to see me at 8 staying until
past midnight (12.30). He seemed
greatly improved. We talked mostly
of early days. How I enjoyed it!

Cambridge.

Ther THURS. MAR. 21, 1912 Wea
24° max. Snow Storm.

Went back again. Snowing fast
all day, about 5- inches falling. Raw &
cold, highest temperature being 24°.

Heard a Blue Jay in Garden. No
other birds than Snow Sparrows.

Everything deeply buried in dry
snow & absolutely winter looking.

Spent day in Museum working
on Blue-winged Teal story & almost
finishing it. C. copying all a. M.
Bill cliff called at 11 for final
instructions about new case for
mounted birds. To replace book case
in Museum. Mrs. David Loring
& Sarah Anne Leland with C. & R. S.
& Mrs. C. & E. and the "Knoxton"
to see that evening.

Cambridge

Ther
24°

FRI. MAR. 22, 1912

Wea
Fine

Clear & Cold with strong N.W. wind. The bright sun thawed some of the snow & made slushy streets. But hardly any bare ground was exposed by night. When are the flowers & the bees here?

Two Browned Grackles in Garden all forenoon. Also heard Purple & Jay there.

Spent day in Museum working on Hurdvogel book. Got to thinking about my last story & reviewed 2 pp. adding a good deal of fresh matter. Will send it to his Station wife comes out in late P. M. C. no town all day. She & E. B. S. read aloud in hall this evening.

Cambridge

Ther

SAT. MAR. 23, 1912

Wea

Subway to Bos. opened.

Fine

Clear, calm, much warmer; Snow melting fast exposing much bare ground before night. Streets almost wholly bare.

A Fox Sparrow appeared this afternoon on the ground under Parkman apple tree. Two Browned Grackles, all ♂♂, spent entire day in Garden, chiefly on ground. One visited feed; another had a piece of bread in its bill. All creaked & grated now & then.

Worked from 9.30 A.M. to 7 P.M. on Hurdvogel book. The work went slightly to-day. I did the Shovellet the Pintail & the E. Widgeon, some six pp. of fresh M.S. in all C. in Boston. She went there through new subway opened this morning for first time. Mrs. W. S. Johnson is much better & soon.

Cambridge

Ther

SUN. MAR. 24, 1912

Wear
Stormy

Sit in. of wet, compact snow
fell last night. Rain fell all day
melting much of snow. Hail rattling
against windows now (9 P.M.).

3 Fox Sparrows & 4 Redpolls (all plain
gray ones), spent most of day in
Garden running about over snow. In
forenoon they took together among clouds;
later the Sparrows came in front of
Museum feeding, with English Sparrows, on
sand I threw out. One Fox S. Sang over.
Heard a Flicker & saw a Jay.

Spent most of forenoon in Mus.
waiting letters. Delt & E. det. Dana,
Charles & Nell, along, & Miss Allen
loaned me guide to Darwin. They left at 3.15.
Mrs. Stone came at 4.30 & showed me how
C. had a letter from Emory this morning.
Saying, "Group is smaller, being small."
She would probably go in town to see
night. She showed from 6 to 7 P.M.
I then waited down of my M.S.

Cambridge

Ther

MON. MAR. 25, 1912

Wear
-fine

Clear & mild, snow shrinking fast.
Cooler & freezing by sundown.

4 Fox Sparrows, 10 Grackles, a ♂
Downy W., a Crow & a Jay, in the
Garden. Fox Sparrows eating millet
seed in place we shovelled for them.
It was fed with white House
Sparrows - at least 30 of them.
There was glorious Fox Sparrows music
every now & then all day.

C. worked in Museum from 9.45
to 1 P.M. waiting my M.S. & copying
it all up in data. I did little more
than revise it for her. It was our
last morning together for many a day.
E. H. Davis took up most of my
afternoon. He went down to the
at 4.40 I came in for afternoon tea
with the reading class. C. was too
tired to see them. There were some
C. spent evening writing up table for the Dana

Cambridge.

Ther
15°

TUES. MAR. 26, 1912

Wea
7 in

Clear & cold with fresh W. wind.
A raw, disagreeable day.

5 Fox Sparrows, 1 Tree Sparrow,
5 Crows Blackbirds, 1 Blue Jay and
a Crow in Garden. Fox Sparrows
sang gloriously. Tree Sparrows on snow
front of Museum & on board walk.

C. left for Boston at 9 & took 1
P.M. train for New York with Miss S.
E. went in to see them off. I
spent forenoon in Museum working
on odd tasks. At 2.30 took car
through new subway to Pearl St. &
thence by transfer car to Storey Committee
room, I met Mrs. Walter Channing &
examined her late father's collection of
birds, about 300 all in mostly large, many
tropical, good specimens & Dr. Cooper among
them. She wants to get them off her
hands. Home by 6.2 P.M. & out this evening

Cambridge.

Ther
46°

WED. MAR. 27, 1912

Wea
7 in

Clear, calm, mild. Snow melting
fast. More than half the surface of snow
lawn & garden bare by night.

6 Fox Sparrows, 3 Crows Blackbirds,
a Blue Jay, a Chickadee, and about
40 House Sparrows, in the Garden.
3 Crows in Hubbard Pool. Where
are the Robins?

Spent day in Museum. Got ready
great numbers of series & pamphlets for
binding. Mrs. Knapp brought them in P.M.
Did various other things, the news
from C.

"We Dine" at our home this evening
Eight came - Balch, Beant, Deane
Jeffers, Thaxter, Townsend, Goodrich, Reed.
C. had arranged a delicious dinner.
The more left at 10.45.

Cambridge.

Ther THURS. MAR. 28, 1912 Wea
50° Fine

Clear, calm, warm; clouds gathering in late P.M.; raining at 9 P.M.
Snow practically all gone by night.

Garden ringing with music of Fox Sparrows all day long. There were at least seven birds. They were widely scattered most of time, heard them far & at sunset they went to roost in pines next museum rhododendrons. Besides these birds I saw only 2 Crows & Blackbirds. It looked very robin-like toward evening but there were no Robins.

Working at odd jobs in Museum all day. Packliff called in forenoon; Dick Davis at 4 P.M. (staying 3/4 hour).

Walter also dropped in (about noon). Letter from C. this morning. George very weak & apparently being good. E. R. S. back "Moose" to see this evening.

Cambridge - Boston
Important! Short Sales - Farnell & Drury.
FRI. MAR. 29, 1912 Wea
50° First Robin Stormy

S. E. rain storm, heavy in forenoon, the rain ceasing & sun showing dimly at 4 P.M.

Looking out bath-room window 7.30 a.m. saw a blessed Robin fly into top of catalpa tree by museum & there heard laughing call. Fox Sparrows singing gloriously & almost ceaselessly 7.30 - 10 a.m. Saw 5 or 6.

Went in town, 10 a.m. Opened account C. & S. Saw with 500. Reached office 10.40. Signed Estate cheques for quarterly March disbursements. Bought 2000 Mass. Bonds for personal investment. Darling brought offer # 28000. for Hulse Farnell & Drury. Discovered it was a mistake. Burtch & family decided to accept it as property given only 4 P.M. # 25000. settlement received for 35000 as it is in trust of Jefferson & sons & renovations. Went on two hours for agreement to 6 o'clock. Burtch & I signed it at 4.30. Did a little shopping and got home at 6. Burtch went to house but did not come back at noon pretty early. E. R. S. and Farnell & Drury were this evening.

Cambridge - Concord.

Ther SAT. MAR. 30, 1912 Wea
Moon to Concord. Fine

Brilliantly clear with light N. wind
Cooler. Water skinned over last night
Cambridge, 3 Fox Sparrows (1. x)
a Chickadee. x & 2 Cross Blackbirds
in the Garden. Sparrows Hawk
flying low over it. Flicker shooting
near Mrs. Comp. Tool.

Called on Miss Chapman just
after breakfast to discuss business on
Bank Block. To Mrs. Comp. Tool
in car 10 a. m. Saw Thompson &
Bangs about house collections. They
were both part of it & lived near to
Mount Co. Acad. I in. Saw T. for
the City Hall for gun license
bounced with E. R. C. Took 2.08
train for Concord. Pat found me
over snow. It has fallen much but
melts as still flooded. Horne
to Benson's, Knoll & Pine Pond.
Phoebe in front of cabin. Pat
saw horned lark. Black throated
black winged junco. Del. g. sparrow
our meadow. Saw a milk rat
on the way to the car.

Concord

Ther SUN. MAR. 31, 1912 Wea
Fine

Clear with strong S. W. wind.
Freezing at daybreak, warm at noon
First Tree Swallows / 1 in 2 Barns
" Wood Thrush (3 Sparrows, 2 Barns)
" Hylas (3 Sparrows, 1 Barns)
" Butterflies (2 Brown, small)

In forenoon roamed through woods
near Ball's Hill. Also visited Davis
Hill with Laph. He has cut about 12
acres of heavy oak covered thicket.

Short sail in old Stella Marie
after dinner. Then went to farm,
stalling, standing up & back. Snow
drops in bloom there, Squirrels at cabin.
Started 6 Partridge & saw 1007
Cross Blackbirds May. N. E. 5 P.M.
Then for Black Ducks in water
off Benson's Knoll 6 P.M.

Concord.

Ther MON. APRIL 1, 1912 Wea
Fair

Morning brilliantly clear with
light N. wind. Clouds gathering
in P. M. & chill S.E. wind, Raining
at 7 P.M.

First Marsh Hawk, ♀, Ball's H

" Kingfisher, 9 A.M. " "

Two flocks Golden eyes about all day
flying past Ball's Hill & adjacent in
Great M. One had 4 ad ♂ & 4 ♀♀,
the other 5 birds looking like ♂♂.
Two Herring Gulls appeared off eastern
at 2 P.M. flying back & forth.

Not much singing. Only a few
small birds seen. 7 Jays silent,
Pigeons & 5 meadow larks were
seen. Pat rather leaves all day.
I sailed nearly to head Great M.
getting rather near the S. shore.
To Pine Point on evening.

Concord

Ther TUES. APRIL 2, 1912 Wea
Stormy

Heavy N.E. rain storm lasting
through day. Very chill, raw air.

Near the cabin, attracted by seeds
there are one for them than Fox Sp.
and Dip. species spent most of day.
Gill's saw about 30 of each kind
at Kalam. At cabin there were
also a Tree Sparrow, two Song
Sparrows, a Chickadee & a Jay.
Besides the pair of Phoebe. Saw a
Swallow over the river, a Gull &
a Crow only large birds seen there.
Started 2 Partridges in Pine Park.
Gill's found a Field Mouse in one
day's estate. He had eaten or
reared about a bushel of apples.

Spent most of day blowing
bushes with Pat in Pine Park
& on Blackman Ridge.

Hepaticas in bloom for 2 weeks.

Concord.

Ther WED. APRIL 3, 1912 ^{7. Wea}
_{Fine}

Heavy rain all last night.
Snowing hard this morning up
to 9 a.m., Sun out by 10. Rest
of day brilliantly clear with
raging N. W. wind, very chilly.

Fox Sparrows about cabin
all day increasing up to 15 by
night, singing incessantly &
gleefully. 4 Juncos, 2 Song Sp.
& 1 Tree Sparrow with them.
Two Black Ducks passed down
river. A single Gull flying
opposite cabin.

Piran & 3 men began over
river & stopped to drink by 10.
I spent part of day with
them & part with Zeph cutting
down poles. Had to keep running
to keep warm.

Concord.

Ther THURS. APRIL 4, 1912 ^{7. Wea}
_{20° Fine}

Brilliantly clear with high N. Wind.
Wintry cold last night. Ground frozen
iron hard at daybreak. Cool all day.

First Fish Hawk; B. H. (See journal.)

34 Fox Sparrows & 11 Juncos
cawed in front of cabin. We
kept them supplied with hemp, rape
& millet seed and they us with
music, all day long. There was a
Tree Sparrow with them & a Chickadee
also. No Phoebe noted about Bath's
hill to-day but I heard one sing
near Pine Park shed. The Screech
owls have disappeared. Last seen Apr. 1.

Piran & 5 men hunting Gophers &
Saw-tooth weas on Bath's Hill
Pete Zeph & the men near Old
Sawney Sp. cutting & cutting cord.
I spent entire day at the hill.

Concord.

Ther

FRI. APRIL 5, 1912

Wea
Mixed.

Strange day opening with blinding
snow storm ceasing at 8 A.M.,
followed by a sunny forenoon with
chill S.W. wind. Sudden rise of
temperature at noon. Afternoon
very warm & evening summable
with Hylas & Hood Ticks in full cry.

32 Fox Sparrows, 8 Juncos, 2 Song
Sparrows, 1 Jun Sparrow from 9
Cabin. 2 Chickadees, 1 Chukar
on Ball's Hill. Kingfisher on bank
below. (3) Hairy Gulls & 2 Marsh
Hawks & a Fish Hawk & 2 Goldfinches
flying over river.

Sunny day at Ball's Hill. C. W.
Haley of Weymouth arrived at noon
to talk over school matters. He
left & Will Stone came about 3.
Will & I walked to Pine Park
& Harris Hill at camp.

Concord

Ther

SAT. APRIL 6, 1912

Wea
Fine

Clear with light southerly wind
changing to easterly in P.M.

Forenoon unpleasantly warm.

Afternoon & evening rather chilly.

First Great Blue Heron heard

calling out flying over Great Meadows.
Grasshopper song about river.

Flock of 18 Golden eyes crossing

over meadows at 6.30 P.M. finally

alighting near flock of 6. Two birds

during them in early forenoon.

About 25 Fox Sparrows & 6 Juncos

Spent day near cabin.

Will Stone & I went out in

camp in forenoon probably about

near Hill. Smith O. Dexter came

at noon to dinner. He then went

to Pine Hill after dinner. Started

2 Robins. Robin singing well at

evening. Plover & 5 Green Gays landing
on Ball's Hill.

Concord

Ther SUN. APRIL 7, 1912 Wea
2 Deer seen at Farm Time

Sunny. Early morning calm & warm.
S.W. wind rose at 11 A.M. & blew, with
extensive volume being, in clouds in late
P.M. and heavy rain down after dark.

First Pine Warbler. Davis this
" Orchard 7 days (2 or 3)
" full chorus 10 of 15 days.

Starting soon after breakfast Will

Stow & I paddled down the calm
river nearly to Castle Bridge & then
crossed to Bedford Swamp where in
the large flooded meadows we flushed
a pair Great Blue Herons & 21 Black
Ducks. Also saw a Fish Hawk. The
S.W. wind had risen and when we
emerged from the swamp a cold
blowing a heavy gale. The struggle
back against it was long & arduous
& when we reached camp at 1.30
we were nearly exhausted. After
dinner & a nap we started for
the Farm. Just as we were coming out
of Puget. Black woods on bars in the
field on foot of orchard slope two
large horned black deer. They saw us
probably & ran up our hill & down
Barrell Run where we got
within 30 yards of them. They were
colored yellow. After feeding cattle
found 4 Rabbits & a dozen juncos
at Farm. Started 3. Parted on an
excursion. Arrived back to camp.
Ran. Sailed out by cabin for

Concord.

Ther MON. APRIL 8, 1912 Wea
24° Time

Windy conditions again. Bitterly
cold all day with raging N.W.
wind and frequent flurries of snow.

First Chippy - in Benav's position.

Will Stow left by 8.00 A.M.
train. At 9 Mrs. Jones appeared to
say that C. wanted me to go to Farm
at once for telephone message. It was
about George Kettell. Enmy had
telegraphed that he was much worse
this morning & finding fact C. & E. K.S.
was to start for New York at 1.
C. said she wished me to stay on
here for ten minutes. Returning to
Ball's Hill I spent most of day
in cabin twiddling things. Jones
with me. Had some steam heat
on even in P.M.

Concord.

Ther 20° TUES. APRIL 9, 1912 Wea Foul.
George B. Kittell died

Early morn Sunny; rest of day cloudy with blinding snow storm 4-5 P.M. & rain after that. High W. wind, very cold. Ground hard frozen at Seneca. Altogether a very harsh & dreary day.

Fish Hawk & Herring Gull flying over river. Fox Sparrows & juncos nearly all gone. Trays & Hylos silent since Sunday. Gooseberry bushes at Farm green with unfolding leaves.

Spent most of day in cabin rigging canoe sails, putting up shelves etc. Jams with me in forenoon. Ted & Olaf having wood. Peter & b men cutting horse tails. Lyle hawking gophers nears. Peter & b went to Farm & Dave Hill in P.M.

Concord - Cambridge - New York

Ther WED. APRIL 10, 1912 Wea Fine

Clear & warmer with light N.E. wind. 4 Fox Sparrows at Cabin. Several more in Perkins orchard, W. Bed., where I heard also singing 2 Tree Sparrows, 1 Field S. & many juncos. 2 ♀ Sparrows Hawk flying over track near station.

Took 8.10 Train to Cambridge, Sat. & to

New York C., calling me to N. Y. because of her brother's death. I saw Hyatt about funeral & telephoned Max Bennett's office & Harry Barstow.

Also saw the house on our farm where the two Sanders saw 4 Fox Sparrows, a Robin & a Jay & heard Cross Blackbird. In Boston at noon. Call at office. Threw to South St. Hall 1 P.M. Train for N. Y. arriving at 6. Fields green & red maples in bloom in S. Conn. Road most of way. Went to Murray Hill H. Hotel but got room. Dined at 7 at Mancha Washington south C. & E. R. S. Stayed with them until 9. Road worked 11.

James drove down 9 P.M. with telegram from C. saying and very near 11. The birds

New York.

Ther THURS. APRIL 11, 1912 Wea
Fine

Clear, calm, mild.

Spent most of day in smoking
room of Murray Hill Hotel
reading and writing letters.
Had breakfast & luncheon at
Grand Union Hotel opposite
Station where I bought for return
tickets to Boston.

Called on C. & E. R. S. at 4.15
Went there to Halden's apartment
store & walked back to hotel up
Fifth Avenue. Traffic in full blast
& very wonderful to see. Went
again to Martha Washington on
6.30 to dinner with C. & E. R. S.
and home 9.30. back in
Murray Hill smoking room.

New York - Rutherford - Cambridge.

Ther FRI. APRIL 12, 1912 Wea
Fair.

Forenoon sunny & mild. Afternoon
cloudy with showers.

Breakfast Murray Hill 7 a.m.
Met C. & E. R. S. 23rd St. Ferry 8.30.
Took 9.39 train to Rutherford. Fineal
services in sitting room at 11.30
Family & relations sat in dining room.
Then saw Betty, Emma, John & his wife,
Mr. & Mrs. Freeman, Mrs. Rogers &
~~several others~~, several Sterlings & a Robinson
feeling one corner just outside windows.
Betty, Emma, John the Freemans, C.
& E. R. S. & I returned to town together.
I went to Murray Hill, changed clothes,
dined & rejoined C. & E. R. S., Betty
Emma & John at Station where on took
3 P.M. train for Boston
arriving at 5.30. Left next at
Station. He & I came out via subway

Cambridge - Forest Hills - Concord.

Ther SAT. APRIL 13, 1912 Wea

Geo. B. Kettell funeral. Fine.

Clear & mild with light E. wind
In the Garden were 2 Fox Sparrows
a ♂ Goldfinch in full song, altho. in
dull winter pl. a Flicker, a Downy,
2 Robins (29/ & 12) and Blackbirds.

To Forest Hills Cemetery. Mr. Bennett

& I by Cars, C. & South, Sunny. From

N.E. R.R. by Cambridge. Met the others.

Many Greenough, Margot Harris, Cunningham

at fair. First Allen had short hair as

green. Sunny April morning, Flickers

flourishing & brown coming over at hand.

Draw horns about Mrs. Parks.

Jamaica Pond April 13th. Looking for

about 100 Black Ducks, a dozen on

main fields, Mallards, etc. Pulling up

buried down at home. C. arrived

at 2.40. Talked with the women

about the birds. I took letters for

Concord looking for Ball's Hill at 6.

Went to Lake Park at 7.00. Very

many deer seen. Return by car. Very

much of fully 500. Handed Mr. Ball.

Concord.

Ther SUN. APRIL 14, 1912 Wea

Stormy.

N.E. rain storm beginning
sometime last night & continuing
through entire day. very chilly

First Yellow-rump (in dull, mottled

plumage. 1 Ruby crown Kinglet &

Swamp Sparrow & all at Ball's Hill

Fish Hawk about all day perching

several times on hawk pole across

river. 7 Whistlers flying over

hill at sunset, heading N.E.

Heavy firing 10.30-12 a.m. across town

Spent entire forenoon & most

of afternoon in cabin writing

letters & chapters for Birds

Go out about 4 P.M. and

raunted about behind hill &

beyond Swamp. Robins & Redwings

singing well at sunset

Concord

Ther MON. APRIL 15, 1912 Wea
Hilleder Floor. Fair

Forenoon cloudy with thin fog.

Afternoon sunny but hazy. Dead calves
 all day. Warm & moist.

First Barn Swallows (id. 6 P.M.)

" Kildeer Plover (see journal)

Fish Hawk about all day. At 4 P.M.
 he hovered 100 yds. off cabin, stooped
 went completely out of sight & then
 emerged with a small fish.

⑥ Golden eyes flew past cabin this

③ ② & 1 Herring Gulls calling.

② Kingfishers. 180 Blackbirds
 mostly Red wings with a few
 Blackbirds, in oak across river.

Libert saw 70+ Juncos & Robin flew

altogether a great bird day with
 every thing coming in freely at all hours.

Spent day at Ball's Hill driving
 work of Jouns. Pat, Zeph & Oley.

Concord.

Ther TUES. APRIL 16, 1912 Wea
Wild Geese & Gr. Blue Her. Fine

Clear & oppressively warm with
 light southerly wind. Procession of
 heavy thunder showers, 5-9 P.M.

Fish Hawk on wing & Red-bill Grebe
 in river off. Cabin, 8 a.m. Two Great
 Blue Herons flying N.E. over Farm at
 height fully a mile 2 P.M. Flock
 of 36 Geese about same height over
 Green Field flying due north 4.20 P.M.
 First Purple Finch & - at Farm.
 3 Barn Swallows, 8 Tree Swallows,
 3 Chipping &. Orange colored
 Salamander with narrow flat tail,
 appar. same as those in Berkshire Co.
 in path leading fr. Benson to Birch F.
 under pine. Spent day at Farm
 working up & back. Jouns & Pines
 getting apple trees & more by hunting
 Pat & Oley came.

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Concord.

Ther WED. APRIL 17, 1912 Wea
Fair.

Forenoon sunny calm &
very warm; afternoon cloudy
with cool S.E. wind. Raining 7 P.M.

First Yellow Redpolls (1 ^{B.H. 7.} / 1 ^{ix})
Fish Hawk & Pail-bell Gulls
again noted at Ball's Hill (in
early morning). At Farm heard
a Meadows Lark & 2 Thick-knee (shouting)
besides Song Sparrows, a Purple Finch &
Robins very scarce. Saw only one
at 4 P.M. Saw Cooper's Hawk (♂)
come through garden and then pass
from swimming 10 ft. above ground on
sea wings at twilight spent evidently
hunting: 7 feathers of Thick-knee killed by
hawk in grass field at Ball's Hill.
Spent day at Farm walking up
& back. Pure & Jones golfing.
6 men boy hunting. Pat gardening

Concord.

Ther THURS. APRIL 18, 1912 Wea
Stormy

Raining most of day, at times
heavily. Strong, cold east wind.

About 50 Swallows flying over river
in front of Ball's Hill all day long. Most
were Tree Swallows with a few Barn
Swallows. Several Red-wings singing
in maples close to cabin in early morn.
Also a Pheasant near the shed. No
large birds seen except 3 Bitterns
seen by Pat 7.

I spent entire day in the
cabin, not feeling well enough to
go out. Jaws working on shingles
in new sleeping room, left on
moss & spindal - many boxes full.
Olay having wood. Pat having
break

Concord

Ther FRI. APRIL 19, 1912 Wea
Stormy

Raining steadily all forenoon.
Afternoon cold & windy (N.W.) with
sun shining-fairly at intervals.

The swarm of Swallows greatly
augmented in numbers. There must
have been fully 300. All day long they
skimmed low over the wind swept
water as far up & down river as one
could see from the cabin, just as they
used to at Fresh Pond 40 years ago &
at Balls Landing more recently.

About 80% were ^{juv.} & 20% ^{ad.} Barn
Swallows. I don't say they were
chasing one Great Merganser & down
to Davis Hill.

Spent day in cabin sleeping
much of time & feeling rather
wretched but not really ill.

Concord

Ther SAT. APRIL 20, 1912 Wea
Fine

Brilliantly clear with strong, cold N. wind.

First Hermit (1, B. H.) Bittern perched
once at sunset. 254 Yellow-rumps,
4 Yellow Palm Warblers, 1 Pine W. &
13 Ruby-crown Kinglets spent entire
day on south side Balls Hill drifting
back & forth past cabin, singing
incessantly, darting up from tops of
oaks after flying insects, chasing
one another playfully. Their combined
voices made sweet music especially
when the Ruby-crown joined in.

The Swallows swarm was here in
early morn. but soon disappeared.
At sunset 4 Whoopins (1 an old drake)
came flying past the cabin.

Spent day in & near cabin. I'll
better box note myself as yet. Pat
& I left working

Concord.

Ther SUN. APRIL 21, 1912 Wea
fine

Clear & warm; light W. wind.

First Spotted Sandpeeps (2) seen
by Gilbert, Barrett Meadows. 25+
Yellow-rumps, 2 Yellow Palm W., 1
Pine Warbler, 1 Ruby-Crown Kinglet
spent day on & behind E. end of hill
singing delightfully. 2 ♂♂ Red wings
in tall oaks directly over cabin
6-4 a.m. singing delightfully, with
spread tails, exposed spermathecae, side stepping
up & down slender branches. At 9 a.m.
what I took to be a Carolina Doves but
failed to see cooed repeatedly in maple
east end of hill exactly like Wood Pigeon.

Spent most of day in cabin. Walked
to Pine Lake after breakfast, to Davis Hill
after dinner. 4 of Dr. Field's department
has all day on leave for wounded
guerrillas but not a shot was fired & they
went home day after day.

Concord - Cambridge

Ther MON. APRIL 22, 1912 Wea
Dull

Cloudy & calm with a little fine rain.

First Green Heron, Ball's H. & G. M.
Sparrow Hawk (♂), Parkin or. W. Bed.

Ruby-Crown Kinglet ♂, Robin ♀,
Crows Blackbird ♂, Blue Jay 1, in
the Garden, Cambridge.

Gilbert & I closed cabins & took 8.13
train to Cambridge. Ida & Alpha had
home opened for us. Telephoned fast
for Dr. Price. He examined me & said
I had hard dumb grippe & must be
very careful for another week. Would
not hear to Washington trip - "myself ob-
vise" - so I telegraphed Henry I should
not go. Had planned to stay in - summer
Wren a few letters & read & sleep.
Walter Deane came down & spent evening

Took 8.13 train to Cambridge

Cambridge - Concord

Ther TUES. APRIL 23, 1912 Wea
Dull

Cloudy with strong cold N.W. wind -
Showers in early forenoon. Hazy, gloomy day.
Rusty - Crown Kinglets x, Crow (in
hedges early morning), Jay & Robin only
birds noted in Garden.

Spent forenoon in Museum writing
letters. Much better to-day & stronger.
Dr. Drive called at 9 A.M., I called
on Irving Fisher 9.30. Lunched alone.
Gilbert & I took 2.08 transfer
W. Bedford. Saw pair Sparrow Hawks
close to village box region. Found
myriads of Swallows skimming close
to water over river & meadows. First
200 off. B. Hill. Not less than 700
between middle Great M. & Birch Ld.
About 500 lower Fox Swallows & 200 Boon.
They were mostly over exposed stretches
where rising N.W. wind tore up the vines.
Looked about until 1.00 P.M.

Concord

Ther WED. APRIL 24, 1912 Wea
Fair

Sunny forenoon; cloudy afternoon with
light rain at eve. Westerly gale blowing all day.

First Solitary Vireo x & White-throated
Sparrows (fair adults). First web nests
of Tent Caterpillars swarming with tiny
new-hatched larvae. Most of Swallows
gone early about 20 remaining. First ad
♂ Marsh Hawk seen twice beating
clouds about Ball's Hill. A few
Yellow warblers (about 8 or 9 x), 2 Yellow
Red-eyes, 1 Ruby crown K. x.

Pat & Jeph worked all day on new
extension to wood shed, Pine Park. I
was with them 8-11 A.M., 2-4 P.M.
Got very tired both times & had to lie
down after it. Evidently I could not
have stood the trip to Washington.
A.C.U. Mon. Conv. began work there to-day

Concord

Ther THURS. APRIL 25, 1912 Wea
Fm

Brilliantly clear with fresh, cool N. wind.
Phoebe first bird to sing at daybreak;
Red-wings a little later; 4 or 5 Yellow
rumps at 6.45. At 7 a Fish Hawk
passed flying S.W. towards Fairhaven Bay.
He returned 20 min later with fish in
talons. At 3 P.M. a Fish Hawk plunged
into river within 50 yds. of cabin but
emerged without prey. At 7 A.M. a
Green Heron perched high up in N.B.
Only a few birds through day. A
Pine W. & Ruby Crown Kinglet singing
over hill. Robin singing across river at one
Robins & Song Sparrows seen very few.

Spent day with Pat & Daph on
hill near Cabin working at various things.
In late P.M. sailed to extreme N.
end Great Meadows & back. Only a
few Red wings singing. Lillian took
Hester to cabin at sunset.

Concord

Ther FRI. APRIL 26, 1912 Wea
Fm

Sunny but hazy; clouds gathering
at eve. Heavy S. wind all day.
First Black & White Creeper } Sings just
first cabin }
3 Pine Sennets in oak } B.H., 7 A.M.
Fish Hawk on pole Holden M. 7 P.M.
3 Redwings, one showing rufous plumage
as it circled on wing, two pumping freely;
all at edge meadow opposite cabin 7.30 A.M.
Eight or ten Yellow rumps on hill.
Started hear Partridge 30 yds. of cabin.
Phoebe building in Pine Park shed.

" at cabin first bird heard at
daybreak. Red wings soon followed,
singing in oaks directly over me.

Spent forenoon with Pat. He moved
a lot of mountain laurels to cabin
from rear of hill. Out sailing after lunch.
Hester Taylor arrived at 3 & stayed
until 5.30 when I ferried him over river.

Concord.

Ther SAT. APRIL 27, 1912 Wea
Dull.

Cloudy with showers of fine rain
at noon & ev. Heavy S.W. wind, Cool.

First Black thr. Green W. Ball H. 2 P. H.

" Winter Yellowlegs hd. Great W. . .

2 Black & White Crows % 1 Solitary vireo %,

2 Pine Warblers %, Yellow Rumps scattered
about evergreen in small numbers,

Red Shouldered Hawk %, 3 ad. Marsh Hawk
flying low over Pine Park, Herring Gull
flying high past Basin Hill, pair of
Blue Jays near cabin 7 a.m., Phoebe

& Swamp Sparrows singing loud on morning
& evening, Robins singing a little,

Red. Wings singing vigorously, Song Sparrow
very silent of late.

Spent most of day working with
Pat in Pine Park. Transplanted ferns
& hardbacks. Snowed out after dinner

Concord.

Ther SUN. APRIL 28, 1912 Wea
Fine

Brilliantly clear with strong
cold N.W. wind - a gale at times

First Cave Swallows, Bank Swallows
and Chipping Swifts - these with
about 50 Tree & 20 Barn Swallows
flying low over river all day.

Not many small birds in woods
a few Yellow-rumps, 2 Yellow Robins,
a Rusty Crown Kinglet, 3 Juncos
& a Rusty Blackbird being the only
north-bound migrants. Saw 4 Robins

& 3 Chipping in Benson's pasture,

2 Doves flying over orchard N.W.
at Farm. Partridge drumming near
young. Maples apple trees & hawthorn
bushes green with unfolded leaves.

Spent most of day writing letters.
Walked to Farm & back in Cat. Park.

Concord.

Ther MON. APRIL 29, 1912 Wea
Dull.

Cloudy, cool, calm. Heavy rain at evening with light easterly winds.

At 7 A.M. two Billows alighted together & stalked about in company in the marsh across river but neither showed any relation. Two were jumping lustily in distance at evening.

Pine Warbler, Yellow Rumps (2), a Yellow Robin Warb., a Ruby Crown W. & a Solitary Oriole singing on hill at 8 A.M. In late P.M. an immense flock of Swallows appeared flying low over river. When I went out in canoe to observe them at 6 P.M. there were nearly if not quite 1000 opposite Balls' this. A little later they circled in a dense swarm about button bushes & some alighted. But finally (6.30) they all rose high in air & flew off towards N.E. There were about 600 ^{by} the foot of 300 Barn & 100 Bank & some Swallows.

Concord.

Ther TUES. APRIL 30, 1912 Wea
Fine

Early morning cloudy. Sun showing by 10 A.M. Rest of day clear & warm with light easterly wind. Evening calm & beautiful.

First Pigeon Hawk, ♀, flying N.E. low over river past cabin 2 P.M. I was kept on hillside & ball down on her back & tail.

At 11 A.M. a ♀ Sharp-shin Hawk in full possession of Song Sparrows passed on western bank along river path near cabin. I threw my cap at her & shouted when she turned off & alighted in oak. Sparrows plunged into brush on edge of river.

First Hawk passed soon after flying N.E. about 200 Swallows over river at 7 A.M. Only a dozen or so in P.M. but many small ones in air.

Spent entire day superintending the transplanted of humbirds from & cages on Balls' Hill.

Worked all day transplanting humbirds with Pat

Concord

Ther WED. MAY 1, 1912 Wea
Fine

Brilliantly clear with light westerly wind. Seasonably warm.

First Brown Thrasher (Silent bird in thickets E. end of Balls Hill) and Towhee (Singing, 8 A.M., same thicket)
The usual early morning singing of our Phoebe, Song Sparrows & Red-wings. Very little singing & but few birds of any kind seen, throughout the morning but house & Robins going to roost in swamp behind Balls Hill, one of them singing well. Gilted saw a Golden eye on way to G.A. W.
Full chorus of Longtail Hags & Hylas at eve. Also a few Golden-cats.
Spent forenoon with Pat digging holes for trees behind hill. To wait Bedford nursery on P.M. Found nothing there that I cared to buy.

Concord

Ther THURS. MAY 2, 1912 Wea
Fine

Clear & cool with fresh N.E. wind

First Yellow Warbler, 8 A.M., Patch Rd.

" Blackburnian " 8 Bird 7: (Silent)

Big flight White-thr. Sparrows. 25+ along south side Balls Hill, about 30 seen by Gilted between Benson's & the Farm, singing freely about cabin all day. Mostly fine adults, but a few dull colored birds. Very little general singing of local birds. The season of "April bird" still on. Longtail Hags in full cry at evening & Hylas making deepening din. A few Golden-cats. Shad bush on lower side of hill by river unfolded several blossoms this afternoon.

Spent most of day with Pat selling about little pines & balsam north side Balls Hill.

Concord.

Ther

FRI. MAY 3, 1912

Wea
Fine

Brilliantly clear with light
N.E. wind. Rather warm.

First Maryland Yellow Throat (♂ B.H.)
Parula Warbler (♂ at Farm) House
Wren ♂ (behind house at Farm)
Least Flycatcher (1 at Farm, 1 in
Lawrence's orchard). Mallard ♂ and
flying over B. H. with 3 Black Ducks
at 9 a.m. About 10 White Thr.

Sp. wrens at B. H. & at least 30
at Farm. Shad brook in marsh
full of them by river, Poughkeepsie
at its foot at Farm.

Planted flower seeds at B. H.
& looked over wood 10 a.m. when
I walked to Farm. Got dead of
Hotel Farmstead & got to bed at
Farm. Found that the birds
were & the stone ground at 3.30
P.M. We walked to the house then
the house & the house then the house

Concord.

Ther

SAT. MAY 4, 1912

Wea

I discharge D. James.

Fine

Brilliantly clear with fresh E. wind

First Water Thrush. ♂. Pad. ♂. 8 a.m.

" Down Bird, silent, Pine Hill

Numbers of Yellow Rumps, 2 Yellow Robins,
& Blackburnian. ♂ fine ♂ Pine Hill.

Bald Eagle, plain brown bird, tagged
wings, flying high E. over river at Birch Hill.
(5) Cherry Snipe at Farm, 8 P.M.

4 Bats in shed at Farm (first noted)
White-thr. Sparrows, 6 B.H., 10 Farm.

The Stones & I with three canoes
paddled down river in a.m. to
Carrick bridge, sailing all the way
back: In P.M. we walked to Farm.
M. K. Cooley sent boy for "Bully"

I refused to let him have her. A little
later James behaved very insolently
about her & other matters & I gave
him a month's notice to leave the place.

Concord

Ther SUN. MAY 5, 1912 Wea
Fair

A. M. Sunny; P. M. Cloudy. Cool
with winds from E., S & W. by turns.

Arrivals Rose-breast Grosbeak, Bobolink,
Chestnut Side Warbler heard 6-7 A. M.
as I was in bed in cabin. Kingbird (11)
Savannah Sparrow 1x, Solitary S. 1,
up river. Nashville Warbler 1x from 6 P. M.
Tittowals (4), House Wren, on wing.
♀ Bittern, Gray Cuckoo, at House Pond
stalking along edge of river. Woodcock 1x 1/2
hours within 30 yds. Saw her eat from
pan 5 in. long & 4 small objects
apparently larvae. See journal.

The Stoves & I in 3 canoes went
up river to House Pond 10-12.30.
In P. M. walked to Farm via
Farm Hill & Beach Rd., took one
Holden's Hill.

Concord.

Ther MON. MAY 6, 1912 Wea
Stormy

Raining steadily all day. Cool
with light east wind.

First Wilson's Thrush a silent bird
in front of cabin 7 A. M. & later, a ♂
Toucan & 4 White throats there, also.
Upwards of 100 Snowbirds, mostly
Tree Sparrows, spent day flying close
to water over river opposite Ball's Hill.
In evening we saw 5 Night Herons
flying past hill over our Great Meadows
in a compact V-shaped flock (like Ducks).

The Stoves returned to Boston by
8.15 train. I went to station with
them. During I spent entire
day in cabin writing letters &
doing various odd jobs. Left
making bird houses. Put not here often
of day.

Concord.

Ther TUES. MAY 7, 1912 Wea
Dull.

Cloudy with light, cool E. wind.

First Cat back at Farm
Redstart & B. W.
Gen. arrival of Black-throated
Green Warblers & Black & White Aegys.
Yellow warblers, Yellow Palms &
Parula. Birds still common.
Three flocks (3, 4 & 2) of Black.
Ducks rising from Great M. at
evening with noisy quacking.
Horned Grebes still at Farm. 4
Bats in wood shed left.

Zepl & I walked to Farm just
after breakfast crossing north of
and catapillars along the way. The
kept at it all forenoon in Berry Pk.
James & I planted peach trees &
grape vines. Planted rose at B. W.
after dinner. I looked up rose
to Dalton's Hill 5-6 P.M.

Concord

Ther WED. MAY 8, 1912 Wea
Belly horse sent away Stormy

North-easter with fine misty rain
in forenoon & heavy down-pour all
afternoon. Strong N.E. wind. Very cool.

No arrivals & but few birds of any
kind noted. A small flock of warblers
Yellow warblers, 1 Yellow Palm, 1 Black-
throated Green, 1 Chestnut sided, 1 Pine-
scented day on the third slope of hill.
Then White-throats & a few near
cabin. Also a pair of Blue Jays
about 50 Tree Swallows & 20 Barns
skimming close over surface of river
all day, flying straight & fully
like young or wounded birds. No large
birds. Yellow warblers to Boston.

Belly horse driven to Red Oak Farm.
I planted things around cabin in a.m.
Went to Farm in P.M. & talked
with C. & Mrs. Bird (Red Oak) by telephone

Concord

Ther THURS. MAY 9, 1912 Wea
Miserable

Forenoon calm & mostly sunny.
Afternoon cloudy with 3 heavy thunderstorms

First Red eye V. (8 a.m.) & Baltimore Oriole (9 a.m.) both near cabin, not singing. General & very delightful singing of many birds at early morn & up to 10 a.m. Thrasher across river, lots of Red wings, Flicker on hill, Black thr. Green, Pin W. Chast. wren like, Black American, 2 Chickadees etc behind hill; Phoebe, Song Sparrow, & White Throat at cabin. Gnatcatcher

on back slope of hill. 2 Baltimore jumping in Great Meadows. (2) Black Doves feeding from a Great Yellow-birds eating them (or over) (3) Night Hawks flying past cabin 5 P.M. (Baltimore) First Hawk plunging into river & canyon made twitter (3 O. D. (12 noon) & Hawk H. Muscivora singing past cabin at evening.

Spent most of day in & near cabin. Wrote a lot of letters & chapters. Dyer, dead weather here and we called it a rainy day. I went to P. M. V. at evening.

Concord

Black Snakes & Deer Mouse (at Farm)
Ther FRI. MAY 10, 1912 Wea
Fine

Early morn & late afternoon cloudless calm & warm. Most of day cloudy with high, cool N. W. wind.

First apple blossoms. Shad in full bloom. ^a Lophyrus M. larvae out on mulch. Delightful bird choruses about 10. H. in

early morning with Chick, Grosbeak & Robin. Talking perched on post. At 8 a.m. heard, loud & strongly near, the laugh of a loon given twice apparently by bird on wing a little E. of hill.

Selfie Pat & I went to Farm at 8.30 & spent day there. Only a few birds singing among them Wren, Oriole, Goldfinch, Solitary Vireo. Two Swallows above. Crows making noise, bird calls.

In Berry Pasture saw Black Snakes 4 ft. long. Swallows Deer Mouse & whitebat took among ground (don found).

Dyer appeared with me at cabin & stayed until 9.30.

Concord

Ther

SAT. MAY 11, 1912

Wea

Delightful

Brilliantly clear & deliciously warm;
forenoon calm; fresh S.W. wind in P.M.

First Gairdner Gnatcatcher - B. H.

First Magnolia Warbler - B. H.

" Great Crested Flycatcher - Form.

Several Yellow-rumps, 1. Lesser W. &

1 White Throated Sparrow

in Hall's Hill. Delightful chorus

of Red-wings, Robins, Grackles,

Song Sparrows etc. all forenoon

One Phoebe sings only at 10 o'clock

now. Two Bobolinks & one Goldfinch

Chipping, Black Ch. Grosbeak, Pine W. &

Songbirds (2), Orioles 2 &

Yellow Warblers 3 &. First Hawk

seen from Point (?) on shore E. of hill.

First Towhee, Ind. Golden Towhee & Chipping

Sparrow nest of song at B. H. containing
one egg with 2 eggs. Found to 1 in
last P.M. Pat came down justly drunk
at 10 o'clock now and then.

Concord

Ther

SUN. MAY 12, 1912

Wea

Stormy

Cloudy with violent S.W. wind and
heavy rainfall from 11 a.m. to 2 P.M.

First Yellow-throated Vireo (across river)

" Canadian Warbler - B. H. Swamp.

" Scarlet Tanager 8 o'clock, B. H.

Many Warblers behind hill in Swamp,
mostly Black-thr. Green & Chestnut-sided.

22 ♀♀ Red-wings & 3 ♂♂ in Benson's pond.

At 3 P.M. saw four Spotted Sandpeeps
assembled on sand beach near Coburn.

Sexual combat lasted fully a minute

& flapping wings all the while. After
it he stood erect & still another

minute on back of ♀, as on a rock.

At 10 a.m. saw what looked like

Black Scaup flying up river close to water

Planting yellow flowers & sowing lettuce seeds
Out sowing cornfield meadows 2-3 P.M.
Walked to 7 o'clock & back 4 to 6 P.M.

Concord - Cambridge - Boston

Ther

MON. MAY 13, 1912

Wea

Dust

Cloudy with strong warm S. W. wind
and occasional light showers.

Flocks of Warblers in woods on
V. behind B. H., early morning, but
nothing seen among them. Heavy flocks
of common ~~several~~ residents chiefly
Powell's Woods & Pine Woods in full song & R.

To Cambridge by 8:00 train.
Dine French on U. Sat. with him
as far as Arlington & with Foxon rest
of way. Had hair cut & red head
with clothes in Harvard Square.
Reached home at 11. Spent hour with
Percy in Garden. busy most with
mouth of Muesler & birds in bloom.
Started for Boston 12.15. Spent at
Buck O'Leary's. Saw Antons sp. m.
& had long talk about Sp. m.
Returned to Concord by 4.51 train at
Concord & sat 9.00 by Concord car.

Concord.

Ther

TUES. MAY 14, 1912

Wea
Fair

Clear & very cool with raging W.
wind changing to S. W. in late P.M.

No arrivals noted. Only a few
small birds in Ball's Hall region
& almost none at Foxon. Robins
exceedingly scarce. A pair at Ball's
Hall, another at Bennett's & a third
at the Foxon are all I can
notice daily. Foxon expects to
have extreme severity elsewhere.
Song Sparrows also are not as
plenty as usual. The only north
bound migrants noted today were
an House Wren, a Migration &
a Horned Lark, all at Ball's Hall.
Heard a Cuckoo & Chipping at B. H.

Spent most of day working in
woods behind hall with L. H. H.
& P. m. at 4 P.M. Sp. m.
above. Sp. m. Sp. m. Sp. m.

Concord

Ther WED. MAY 15, 1912 Wea
Fair

Cloudy with occasional gleams of
sunshine. Forenoon calm. Fresh S. W.
wind in afternoon. Rather cool.

No arrivals. Saw Least Sandpeeps
Two migrants - 4 Yellow Rumps, 1
Water Thrush only obvious ones.
- Birds sang well early morn.

Spent most of forenoon on back
slope of B. H. where I got out a lot
of young oaks among the Black Spruces.
Black flies very bad. Saw many
faint & oaks very attractive with
pink & salmon foliage. I got 2 Tindal
Crows in T. M. Gilbert went to
Boston to Mrs. Chubb's funeral.

When he got back at 6 I said about
Great Meadow. Near its middle I found
5 Black Ducks & Mallards, 2 Black Ducks,
3 Greater Yellowlegs (very noisy) and Least S.

Concord

Ther THURS. MAY 16, 1912 Wea
Stormy

Heavy north-east rain storm lasting
all day. Cool. Strong winds. Thunder
to westward at evening.

No arrivals. Small birds very
scarce in Ball's Hill woods. Almost
no singing. Our Water Thrush can only
hear a north-bound migrant. About 30
Swallows (mostly White-bellies) skimming
water over river. Greater Yellowlegs
caching at 5 P. M. Very singing
in swamp near Pine Park at 6.30.
Hardly any birds seen or heard at
Farm. Walked there at 5 P. M. One
Orion in chirp. Not a single Robin.
Gilbert had similar experience there at
9 A. M. One or two Oven birds singing
in woods. Saw 1 Robin in lawn.

Spent most of day in Concord
working. Got out a few plants.

Boncourt.

Ther. FRI. MAY 17, 1912 Wea
Big bad wave. Prætorianary Worship Fun

Chiefly sunny, partly cloudy, few light showers. Warm with distinct S.W. wind changing to N.W. & cooler at evening.

Great bird day. Harvesting migration
of swallows thus far. 7 in singing early morn.
Barn Swallow, Gray-ch. Thrush & Downys.
in ed. (Duffer). Prothonotary Warbler, Black-poll
Black-throated Blue, Wilson's Black cap, -
10 inches 7 inch, Wood Pewee, Hummingbird,
Black-bellied Cuckoo.

When I awoke & opened my eyes at 6:30 I heard the Peewee singing. Dressing & opening door I saw him on front of cabin on branch over path, then on back through, later on north on side & east of path, still later in flooded meadow along river bottom after breakfast. I followed him on my canoe. From 6:45:30 on and on with bird hopping about B.H. Took a train 8:30 - 7:32. Heard singing everywhere. Heard one down trail & Peewee form. Lots of birds as I came. Stopped in Franklin 7 miles in from garden. Saw several Cophosus & many of them. I followed D. & C. the camp down in river on his boat. He looked in down river in morning. Found & after down on river for Peewee singing. The wood was down about a mile - I was out of river. On my canoe on river. Back north & I heard nothing of Peewee.

Concord.

Ther SAT. MAY 18, 1912 Wea
King - near Ploua. Fine

Clear with fresh W. wind. Warmest
day of the season thus far.

No arrivals noted. Only a very few north-bound migrants, an *Usine* Warbler, Canadian W. and 2 or 3 Yellow-rumps making up the list of woodland birds with a Great Yellowlegs & a Lesser Sandpiper to represent the waders. The latter I saw at-horse in Great Meadows when I saw also a drake Mallard flying with 3 Black Ducks. There were about 50 Swallows then skimming low and at least 5000 Phalaropes cawing in as many directions besides 2 Buller's perching. A very loud song in delightfully low off. cawing.

Spent most of day on B. H. working
on course de River Lph. Worked to
Doris Hill & River Pass 8-9 am

Boncord

Ther SUN. MAY 19, 1912 Wea
Fair

Clear & very warm with raging
W. wind (the river white-capped).

No arrivals. Only north bound
migrants, 1 Winter Thrush, 1 House W.
The swampy Belmont marshes in
back fields. Even before it was
in early morning there was bird
life singing. And I heard when
I opened my windows at sunrise
was the song of a Red-eye.

Spent forenoon at Ball's Hill
taking a short walk after
breakfast & then settling down
to letter writing. Started for Town

at 3.30. Scouted for gyrfalcons
Grouse but saw but for 1 only, a very
fair. A pair of birds on a bush
near the house. Had a few birds with
me. Called on Mr. Brown, Bank
in Canton at 7. The day was a very
fine one.

Boncord.

Ther MON. MAY 20, 1912 Wea
Mixed.

Forenoon cloudy with frequent showers.
Afternoon sunny. Fresh chill E. wind all day.

No arrivals. Solitary & least S. only
north bound migrants. Great numbers
of Swallows, mostly Tree & Bank, skimming
low over river & meadows. About 25
Juncos flying about W. end B. H. at sunset.

Spent forenoon with Cat & Sept at the
Buellville Landing taking in views my two
old boat houses built at Monaca by
Red Healy in May 1886 & at Buellville
since 1892. Saw birds there as of year
Robins, House W., Warbling Vireo, Purple Finch,
Greenback, Oriole, Great Fly. Chipping etc.
Sailed most of way up & back in canoe.
Back to cabin by 1. Sailed down to
Piney Del. & back in P.M. Also walked
to Piney Point at Boncord.

Concord,

Ther TUES. MAY 21, 1912 Wea
Second May, flight of locusts. Fine

Sunny all day. Forenoon calm &
warm. Chill E. wind in P.M. Thunder
showers to S. at evening. Day having our
last about midnight last night.

First Bay-busht Warbler 6 in
B. H. Sw. 11 A.M. First White-crowned
Sparrows in office at 4 P.M.
First Cedar bird (3) in blossoming apple tree.
Heavy flight of locusts, mostly overhills,
Riverside, Middlesex Hills - Towns &
Black-polls, much scattered, several
Olive-backed Woodpeckers. One Gray Thrush
in nearly first song B. H., 1 P.M.

Found Partridge and 11 eggs in 1st egg
Litter started yesterday. I fed on Cuckoo
on 6 O.M. I heard a few very loud
Spurred forenoon on Bald Hill looking
up Camp Co. from the summit. Killed
a Pine Tree 11 O.M. Cedar, Red
Song fairly all forenoon. H. W. Redstart
Came down at noon to feed and visit
I went down to see him about 1 P.M.
with a companion at 7 P.M.

Concord.

Ther WED. MAY 22, 1912 Wea
Moon to Town to day. Fine

Clear & cool with fresh E. wind.
Early morning calm with birds singing
like mad & finally up to 11 O.M.

First Yellow-bellied Flycatcher calling
near Barnet Spring. First Night-hawk
1 seen, 8 heard, 6 & 6.30 P.M. at Town.
Very much like same birds as Bald Hill
& at Town as yesterday. I doubt
if many kept on northward last night.
It was dark & raining hard from
8 P.M. to past midnight. At Town
saw a beautiful White-crown Sparrow
again. It was in date yard & came
all day. Saw at least 2 House Wrens
and singing all day.

We moved to Town this morning. I
worked up planting Ephraim & Partridge Pea
bushes all along the way. Spent day
unusually comfortable garden with Paul. Killed
a Redstart & Bald Hill at 7 P.M.

Concord.

Ther THURS. MAY 23, 1912 Wea

Springy begun at 7 a.m. Mild.

Fairly cloudy with cool S. E. wind
afternoon sunny & warm with S. W.

~~First: Whippoorwill~~ d. Many north
bound migrants at Farm, mostly in
apple orchard & big elms, among them
a White-crown Sparrow, Canada W.
Honey W., Black poll, Wisconsin Black
2 c. Black-brown (in elms),
Two night Hawks, flying high, N. E.,
at 7 P.M. Whippoorwill heard &
bitter later for of towards N. W.
Heard Yellow-bellied Cuckoo coming at
11 to 11:30 last night & singing this
morning.

Duron arrived at 7 a.m. & spent
day springing orchard & sowing corn
of farm. I met him west of town.
We used 1 lb. lead to 6 gal. water.

Concord

Ther FRI. MAY 24, 1912 Wea

7 in

Clear with strong S. W. wind and
a succession of heavy thunder showers at
even with hail & floods of rain. Warmest
day of spring this far. Probably about 85°.

No arrivals. Few north-bound migrants
a Black poll & a Yellow-bellied Flycatcher
being all I noted. One Wood Pewee
singing in elms at Farm for first time.
Only two wood thrushes seen since birds
heard there this morn. One hummer
in fullest song. Juncos in bloom in
garden, copious on Balls Hill.

Spent entire day with Duron &
his men. We sprayed in forenoon
in Birch Field, at the Spring and along
road between in Duron's in P.M. at Balls
Hill. When I arrived, found a nest in my
colum & walked before afternoon shower.

Concord

Ther

SAT. MAY 25, 1912

Wea

Fine

Clear & cool with light breeze to E. & S.E. winds. A rare day.

Three Olive-sided Flycatchers heard on Pine Ridge, 3.30 P.M. by S.O. & Lewis Dexter. They heard 'thunder' call & this only once but distinctly. At the Farm I heard a Blackpoll, a Canada Warbler, a Swainson's Thrush & a Yellow-bellied Flycatcher (in Elm) and a night hawk (peeping) at evening. Evidently the migration moving to the Atlantic Eastern seaboard. A few Hairy Woodpeckers & a few Screech Owls heard 17 Robins in wood shed cage.

Spent day with Dutton & family on board & Bay Harbor. By long lowing very numerous about farm but as in woods. Very good in apple trees. S.O. & Lewis Dexter checked with W.B. at 2 P.M.

Concord.

Ther

SUN. MAY 26, 1912

Wea

Fine

Clear and warm with light southerly to easterly winds. Evening delightfully cool & entrancingly serene.

Birds singing freely & joyously all forenoon at Farm & on Oak Lake on Balls Hill. At Farm they do not seem to be so suppressed in least serious of song as of past three days. All our regular afternoon birds (except Yellow-bellied Flycatcher & Bluebird) there in abundance usual numbers (Saw. Grackles) in addition two pairs House Wrens.

Of north bound migrants I heard singing a Blackpoll, Canada W. & Yellow-bellied Fly.

Walked to Rethin place after breakfast. J.C. Melvin, arrived at 9.30 & spent forenoon with me in parlor. Pat came just after dinner & walked to Balls Hill with me. I saw passing night thrush. Walked to Pine Ridge, Pine Lake & Harbor Hill 6-7 P.M. lovely evening

Concord - Cambridge.

Ther MON. MAY 27, 1912 Wea
Fine

Clear & pleasantly cool with light, breezy
S. W. wind.

In Cambridge by 8.10 train. Green
Heron passed here at 6.30. Saw two ♂
Spurred Hawks circling & soaring over
Pasture on road as I walked to station.

When I reached our place in Cambridge
a Bay-brown Weaver was in full song in
top of birch. Later he moved to the
fence & sang there all day long. His
typical Teary-Teary-Tea song sometimes
had a prolonged ending with a trill
& not unlike that of Minutella humilis song.
One other bird about place was a Junco
thoracicus, Robin, Red-eye, Blue Jay,
2 Swifts & Oriole in distance N. E.
Spent most of day in house writing letters.
To Harold Brown etc. 5 to have some
clothes fitted & have car. Called on
Living Family on way back. Saw a fox
& a dog on the way. One of the dogs

Cambridge - Englewood

Ther TUES. MAY 28, 1912 Wea
Fine

Clear but hazy. Warm with light
southerly wind.

Took 10 a. m. train to New York.
Arriving there at 3 took subway train
to Manhattan. Chapman met me on
Ferry. Crossing river we found his Buick
car waiting us & in it traveled about
20 miles visiting many of his favorite
woodland haunts & seeing much of those
parts of New Jersey. Heard a Blue Warbler
in full song. Reached Chapman's new home
about 6.15. Heard Thrush & Robin singing.
Pretty place with fine trees. Delicious dinner
7-8 with Mrs. Phelps & her friend Miss
Ellen as guests. I felt Nichols came in
later. After guests had departed
the Chapmans & I sat up until
midnight and had a good talk.
They are both rather down in Kennett
name happens

Concord.

Ther FRI. MAY 31, 1912 Wea Stormy

Raining most of day, heavily at times with thunder & lightning. Cold with N.E. wind changing to N.W. & clearing at sunset.

Birds singing feebly about Ball's Hill in early forenoon. There are not many settled here this year. On the hill I now hear only a Red. ^{in one bird} ~~egg~~ & a Robin in the Swamp. berries (2 or 3), a Chestnut-sided Warbler, 2 Marylands

A ♂ Redstart bringing new caterpillars today. No more heard. ~~heard~~ ^{heard} in Barren's pasture. A Yellow Warbler at frequent intervals from 8.30 to 9 P.M. (night dark & cloudy)

Paras came this morn with 6 seen & 4 sprayed on Blackman Ridge road. 11 when rain drove him home. I walked to Farm in late P.M. & telephoned C., Chas. Carter & Davis

Concord.

Ther SAT. JUNE 1, 1912 Wea Fair

Clear & warm with fresh W. wind.

Silent Water Thrush on river bank, B.H., the only small house. Grand Kingbird. Greater Yellowlegs flew past Carter in late P.M.

Summer bird song singing delightfully all day & especially at morning & evening. On my way Ball's Hill heard Robin, Song Sparrow, 3 Red-eyes, 1 Solitary V., Yellow Warbler, Down Woodpecker, Maryland M. Wren (3 in Swamp) Towhees, Grackles, Oriole, Red wings (4)

Across river heard Red eye, Black thr. Green W., Black-throated Green, Bobwhite, Grass Finch, Vireo, 2 Yellow-birds, Grackles

Thousands of Dragon-flies appeared about dusk, filling air in later part.

Spent most of day across river with Parents and spraying trees & on Blackman Ridge

First Bird Song beginning. The other Blackbirds heard to day may be

Concord.

Ther SUN. JUNE 2, 1912 Wea
Fine

Clear & very warm with
balmy south west wind.

It was simply heavenly at
Baul's Hill in early morn with
the cloudless sky, calm river &
all pervading sense of peace & beauty.
The birds sang like mad & the air
was warm with their music. It was
the same as the Town to which
Gilbert & I moved our belongings
at 9 a.m. Later I had a friendly
talk with James & found him off.
At 3 P.M. a Mr. Deering of Waltham
came with his family to see the
place here. At 3:40 Jim McKim
came in his motor car & took
me to Concord where we got
Mrs. McKim & called on Charlie
Gardner, his wife & daughters. At 6 we
met Dick Dana at the depot &
took him first to Haffey, Hallow & Co.
thence to Town where he is to stay over

Concord

Ther MON. JUNE 3, 1912 Wea
Remorse day with Dike Dana. Fine

Early morning cloudy. Rest of day clear
& just agreeably warm with light S.W. wind

Spent entire day rambling slowly
through woods & fields with R. H. Dana,
the friend of my youth. It was for me
a day of perfect companionship & rare
pleasure. We saw many interesting
things & talked in a friendly, easy way
the most delightful sympathy & mutual
understanding. The afternoon was the
most perfect time of all. The birds sang
all day long & the evening turned clear
with them. In A.M. we went to Birch
Field, Birch Lake, Davis Hill, Baul's &
Hallow Hill; in P.M. left Boston
about 6:30 & finally through the Barry Pass
to Redwin from Sam's Point. Little boy &
came up to road above Barry's. He
was taking berries in woods & had long
talk with him. Pines & hemlock
growing up on hill & fields.

Concord.

Ther TUES. JUNE 4, 1912 Wea
Time

Sunny & warm with strong S.W.
wind. Much less pleasant than yesterday.

Birds singing well in early
morning but silent through much
of day because, no doubt, of
the tumultuous wind. Just
about the Farm seemed all
persons despite the heavy &
general spraying of yesterday
& to day. Nor did I miss
any of those settled about Ball's Hill
when the Blackwater Ridge was sprayed
last week. Purr & his gang (6 now)
worked all day on clods & oaks at
Farm. Darius team spraying on
back side of Ball's Hill. I spent
forenoon at Farm, afternoon at Hill.
Duke Dana left me to return to
Cambridge just after breakfast.

Concord

Ther WED. JUNE 5, 1912 Wea
Time

Brilliantly clear & deliciously cool
with strong N.W. wind.

Spent forenoon with Darius, Jeph
& Baker spraying. We began in
wood road leading from Birch Field to
Beaver's, continued along road from
Beaver's this over Pine Ridge & then took
the line of oaks on west side B.H. Hill.
When the men spent rest of day. I
returned to Farm for dinner and
went down again in afternoon.
It was very beautiful along rim from
of Ball's Hill. Looking in hollow
between in Pine Park, meeting to look there
look up in cabin & watched slowly
back to Farm in evening. Heard thrush
in field long western side Birch Field
listened to him for half hour. Only
a fairly small singer.

Concord.

Ther THURS. JUNE 6, 1912 Wea
Miy. ch.

Mostly Cloudy with showers in
afternoon & evening. Warm S. W. wind.

Spent forenoon at Farm going
about with Pat & Zeph attending
to "lost things". Daren spraying
cattle in Pulpit Rock woods until
rain forced him to stop at 1 P.M.

I was with him only a few minutes.
Birds not singing freely. I heard
most of those to be expected at Farm
except Yellow-Thr. Vireo & Cuckoos
(both or all) of which I fear may
have been poisoned by our spraying.

Walked to Ball's Hill with Pat at
2 P.M. Put away lawn & canon
& started on road on Pine Ridge.

Paddled up river on evening. Two
yellow iris flowers in river front of Canon.
Only a few birds in song.

Concord - Cambridge

Ther FRI. JUNE 7, 1912 Wea
Firm

Clear & cool with fresh N. W. wind.

To Cambridge by 8.10 train. At
Arlington found that a great strike of
Boston Elevated employees had begun.
Waited 10 minutes for a car. It was
crowded when it came but I squeezed in.
When we reached No. Comb. Junction
found a great crowd of men, women
& children blocking the street. As our car
went slowly through them they cheered and
shouted, but offered no violence. Reached
Boston by 9.30. Spent most of day
in Museum & gardens. Batsy called to
discuss appointments for Nat. Child Committee
on A. S. G. exception. Saw Henshaw to
forget has letter sent in by John Nichols.
A young man in office was Hamilton Wright
Hatch of Boston. I stopped for 30 min. before
9.30 Comm. (2.20 in all). Called on Mr.
Trues & on Harry Fuller after supper.
Grove, Red eye & Boston singing in Garden.

Cambridge - Glendale.

Ther SAT. JUNE 8, 1912 Wea
Fine

Clear & very cool with brisk N.W. wind

Started for Glendale this morning by 10 o'clock B. & O. train. Because of the strike I drove to Trinity Court in a car. The street cars were out in fair numbers, however. Never before have I seen the country all along the railroad to Balchown in the forest.

As a result of the copious rains of the past two months the fields are everywhere in perfect condition and the foliage most luxuriant. The flowers & plants are green with life.

At Long's saw a Green Heron on wing over river. Reached Glendale at 2.30

Dan & Margaret met me at station, Mrs. Hunt & Miss Barton on horse.

Dan & I walked about place & to over of his little museum before dinner.

Glendale

12 Ther SUN. JUNE 9, 1912 Wea
Fine

Clear & very cool with strong N.W. wind.

Spent much of forenoon in woods behind studio writing on my favorite bench under the hemlocks facing the overhanging ledge, with Red Squirrels chattering & barking and birds of many kinds singing, close about me. It is here with birds as with flowers that there is a large variety of species yet no great number of any one kind. What one of a kind is ordinarily all one hears in any one place.

Mrs. Schoonmaker, her daughter Dorothy & another lady joined with us. We went to the station afterwards. Later Dan & I walked over to Dr. Mc. Intosh and had a short walk with him in his garden. I passed just coming into Glendale this fine birds very handsome Mr. & Mrs. Gentry & Jack were at supper. Spent evening in house.

Glandale.

Ther MON. JUNE 10, 1912 Wea
Fine

Clear & cool with fresh W. wind.

Spent most of forenoon writing letters in hunkle's behind studio. Was with Dan for of Grim in studio watching his work on clay model of angel for N. J. Armstrong.

In afternoon he & I walked to Knight farm & beyond. We stalked 2 female Partridges with loads of young and watched a huge Shad laterally across the discom of a few waters in a wood path. Sleaked in vision for the same plant with clearing plane. My horse had no will in find any newts in pond where we wish to be done. The same has crawled away & the water has nearly left. The same is the first & only find.

Glandale

Ther TUES. JUNE 11, 1912 Wea
Fine

Clear & warm with light S. W. wind.

Spent entire forenoon writing letters on my favorite bench under the hunkle. Birds singing freely all about me. A Broad-wing Hawk screaming on hillside above. A ♀ Hummingbird hovering about in a hunkle nearly over me where I suspect there may be a nest. Dan & I walked most of afternoon in this same place, first foraging a gate, then clearing away a lot of bushes & small trees so as to fully reveal the face of a picturesque ledge. We were much annoyed by mosquitoes and by summer midges. Spent evening in garden.

At least two pairs of H. birds about Glandale. No H. birds in this season. Coy. Rabbits living under house steps. Hunkle after him every day.

Glendale

Ther WED. JUNE 12, 1912 Wea
Dull.

Early morning clear & warm. Rest
of day cloudy & windy with distant
thunder & our light storms here.

Spent forenoon on my bench &
in studio writing letters. At 4 P.M.
Dad & I began work on a walk
on his mountain side looking up
to a clump of cedars. We light
on a few hard bones waiting
with tools & hatched & clearing away
a lot of brush. Spent evening in
parlor with family, reading &
talking. The Thrushes are singing
loudly. I see Wilson's & Wood's, &
have been calling, in woods behind
studio but they sing very well
a new old song. The Robins are
singing freely.

Glendale.

Ther THURS. JUNE 13, 1912 Wea
Fine

Brightly clear and very cool
with light N.W. wind.

Spent forenoon in studio
writing letters and receiving an
Victor phonograph for Dad's
entertainment while he worked on his
model of the Angel. In the
afternoon we rambled for a couple
of hours in the pine grove
pasture across the road. It has
changed much since I first knew it, by
the rapid growth of the trees. The
only birds singing there this P.M.
were a Wren & an Ovenbird. Some
Crows and one about young were
making a great clamor in pines.
Spent evening in parlor talking
with Mrs. French.

Glendale

Ther

FRI. JUNE 14, 1912

Wea

Fine

Brilliantly clear with light W. wind.
Heavy white frosts last night all over
Berkshire Co. They did little damage
in this neighborhood, however.

Spent forenoon on my favorite
bench in the woods writing letters.
Was there part of afternoon, also.

Went to studio across road to
see a family of young Flying Squirrels,
which Mr. Packard found about week ago
in a heap of old twigs & rags on floor
in corner. Saw two in this, one in arm,
one under table. All fine about 1/2
grown, very pretty, darker colored than
adults. One may take one woodchuck
which Packard struck its head. They
run up inside stem pipe as birds.
Parents probably come to the same pipe.
Mr. & Mrs. Goodham & Dr. Schenck
arrived in the P.M. to spend
Sunday.

Glendale.

Ther

SAT. JUNE 15, 1912

Wea

Fine

Early morning sunny & warm.
Rest of day cloudy & cool with
strong S.W. wind & a light shower.

Spent forenoon in position
writing letters under a big holly.
Sawed Woodchucks. One big one
coming in from the open ground
ran into study, to within 5 feet of
where I was sitting on a flat table
before seeing me. Two young ones
larger than Gray Squirrels were
running about among & over walls
near me. When they came together
they showed their tails at each other.
One stretched out flat on a wall in
the sun & took a long nap.
The woods behind studio swarming
with Red & Chapman's Squirrels.
One or two Gray Jays, also.
Dr. P. at. walked down walk & sat
at entrance to house.

Glendale.

Ther SUN. JUNE 16, 1912 Wea
Stormy

Raining nearly all day. Wind
S. E. Mountains shrouded in clouds
& mist. Cool.

Spent most of day in house
& studio, working letters, talking,
listening to the radio & friends.
Margaret & her friends Mrs. M.
Dawson, Dr. & Mrs. Allen, Mrs. Reed
& Jack Moran filled from place to
place & enjoyed things greatly.
A remarkably handsomely
with wonderfully clear & perfect
even sang all day, sometimes in
after tea, often on ground in lawn.

Walking down road in late P.M.
Dan & I saw a Deer (standing
in comfortable at edge) woods.

Sat up late in father's living
room -

Glendale - Cambridge

Ther MON. JUNE 17, 1912 Wea
Fine

Sunny & warm with humid S. winds

Breakfasting early & leaving the house
at 7.45. Dan & I motored over to
Stoughton bridge through sparkling green
fields plentifully bedecked with flowers.
He took 8.07 train to New York,
I the 8.47 one for Boston. As I
had so long to wait I walked out
along the road bordered on both
sides by immoderate yellow wild
buckeye trees and also with striking
Redbuds. Heard, also, Meadow lark,
Yellow Warbler, ~~Scrub~~ Flycatcher
& Orioles & Kingbirds. Grackles hummed

Mrs. Walter Farson by accident at Pittsburgh.
We journeyed to Boston together & had a
good talk. Got home about 4.30. Plenty of
ripe cherries & strawberries in garden.
Ruth & Martha Deane with Walter called at 8.30.
Plenty straight water 11.30. Walter back from
of Spaulding House & 3 young in firm in
of much from C. S. Co.

Cambridge - Wolfeboro.

Ther TUES. JUNE 18, 1912 Wea
Fine

Clear with strong cool west wind.

Took 7 a. m. train for Wisc.

Arthur & I started with Mr. W. who joined at Concord N. H. by Judge Bell. The teachers met us at Wisc with a small steamer. When J. H. Board arrived by 1.05 P. M. train we started across Lake. It was a bit rough at first but finally became very pleasant. We had the usual pic-nic lunch on the boat.

Reached Wolfeboro at 3.30. Teachers meeting 3.45 - 5.30. Slides presented. Moral education business. Dining cooked & served by our debaters. in Reading 5.45 - 6.45. Everything delicious. Graduation exercises in Dan Hall 8-10. Fine songs, beautiful music. Everything very satisfactory. Inactive meeting in library 10.15 to 11.45. Only business business. No fun. Everything harmonious.

Wolfeboro - Cambridge

Ther WED. JUNE 19, 1912 Wea
Fine

Brilliantly clear & delightfully cool with light westerly & easterly winds.

Called on cousin Elizabeth in Lebanon at 9 a. m. At 9.30 the teachers excursion started up lake. Arthur, Gallinger, Haby, Dr. Scott, Sergeant & his wife, Mrs. Holey & her mother, Misses Hutton, Mower, Spring, Mr. Jewell & Mrs. Merritt. We had a perfect day & a good lunch. Followed north side of Lake many islands passing very nice Melrose Village. Landed and had a pic-nic lunch on rocky shore. Tapped tree 2 ft. through as usual. Rudest, Chelmsford side N. - Good & white Canyon looking. Saw fine white Bald Eagle. No water found. Captain Day, Lewis Hill, Arthur, Gallinger & I took 4.05 train from Wolfeboro reaching Boston 8.20. Gilbert went on at station -

Big water. See notes usual notes. 1. Reading 5.45 - 6.45. Everything delicious. Graduation exercises in Dan Hall 8-10. Fine songs, beautiful music. Everything very satisfactory. Inactive meeting in library 10.15 to 11.45. Only business business. No fun. Everything harmonious.

Cambridge - Boston - Concord.

Ther THURS. JUNE 20, 1912 Wea
"Kicker" moved off B. H. Fine

Clear & rather warm. Light W. wind.
A Robin & a Red-eye singing in
the Garden.

After breakfast went around with
Percy. Billcliff & 5 men laying brick
pavement behind house & museum.
To Boston 10.30 a.m. At office
11-1 and 1.30 - 4.15. Signed,
Quarterly disbursement checks, visited
Safely vaults & took one coffee break
talked with Arthur, Darling, Galloway.

To 4.51 train to Bedford & checked
trunks to W. Bedford. Crossed river
to Ball's Hill. Walked over & about
hill before supper & a 1 P.M. after it.

Beautiful bird music everywhere -
Robins, Redwings, Swamp Sparrows,
Song Sp. Cat Bird, Junco, Sparrow etc.
A 7 P.M. a "Kicker" began coming by boat.
Came across river keeping a light 15 min
Two Billows jumping. Night Her. Cuckoo.
Hens, B. & B. Pigeon in full chorus.
A few Chats in nest.

Concord.

Ther FRI. JUNE 21, 1912 Wea
- Fine

Clear & reasonably warm with
fresh W. wind. Slight shower in late P.M.

Early morning at Ball's Hill very
beautiful. Birds singing as freely as
in May - a delightful chorus of them
with Red-wings taking the chief
part. Heard also Sparrows, Song & Swamp
Sparrows, Vireos, Maryland Yellow throats,
Pine, Black-thr. Green, & Chestnut sided Thrushes,
Green bird, Red eye, Goldfinch & Yellow thro.
Vireos, Cuckoos of both species, Phoebe
etc. At noon & on Billows jumped
& higher Herons quarrelled. The latter are
fasting as numerous left in wooden pools
by falling water. There very few now.
To Farm in forenoon. Lots of birds
there. Spent afternoon at Ball's Hill
watching birds etc. Collected & here.
Museum called at 5 P.M.

now at 8 P.M. grand chana Bull Troop, Green Troop & Young's Troop.

Wea
Fine

Fine

Fine

Ther

Wea
Time

Time

Time

Time

Time

Concord.

Ther MON. JUNE 24, 1912 Wea
Fine

Clear with light W. wind. Very warm.

Duren came down again & sprayed all day. I was with him most of time. We treated small infested areas lying near Ball's Hill. In late P.M. we went through thick Field & also sprayed a few trees at the Farm. Most of my words are in better shape than for several years past but conditions along road from school house to Duren's are deplorable most of oaks being completely stripped. Many corms are now fully grown.

Birds singing delightfully all day at Ball's Hill & in late P.M. at Farm. Splendid chorus of Fox voiced Bull Finches at Ball's H. this morning.

Concord.

Ther TUES. JUNE 25, 1912 Wea
Fair

Forenoon sunny but hazy. Afternoon cloudy with light showers - not enough to mean, though dry dust. Very warm all day.

LeBar & I moved to the Farm at 8 A.M. I hated to leave Ball's Hill for it is most beautiful there now. The Farm is also very attractive. Spent forenoon working in flower garden & talking with James. It was hot & sultry with fire birds singing. Vegetation suffering from lack of rain.

At 1.30 P.M. Jim Melvin came in his motor car to take us to Ashby. Mrs. Melvin & Mabel (Buttrick) Howe with him. At Ashby we visited a hill crowded with Mountain Laurel & Ept. large in full bloom. Finest thing I have seen. There were Yellow-bellied Sapsuckers, Redstarts, Robins & Kinglets. Found 80 nests & got back at 6.45.

Concord

Ther WED. JUNE 26, 1912 Wea
Fine

Clear & hot with light S. W. wind
changing to N. W. & cooler at evening.

Spent a rather idle & selfish
day mostly in home, because of
extreme heat, working letters &
reading. Walked through berry
pasture & a. d. 20 was most
attractive with a profusion of
mild roses, and white carnation in
first hot bloom perfuming the
warm air. A few Chastanys
already ripe. Strawberry season
nearly over. Sarah Ames & her
William came down at 5 for a
bird walk. In our orchard we saw
an ad. Crow, Flycatcher & a young
one too. Tailed but old together from
the nesting time. Hired through Bost
I used, Bost, Bost & along back to
H. A. Bost.

Concord

Ther THURS. JUNE 27, 1912 Wea
Fine

Clear & cool with fresh easterly wind.

Selbert & I started for B. H. at 8 am
Reaching at 9 began working flower beds
near cabin where Harry Richardson
arrived about 10. We spent entire
forenoon tramping woods together investigating
moth conditions. Visited Davis Hill,
Holden's Hill, Colchester Ridge & woods
on Bost farm. The last named are
rather badly infested & well well stocked
along road to Bost from Selbert home.
The whole river front region is but
lightly infested & safe for this year.
Everywhere the work is going on very
fast & the fungus has decimated the
Bost. Toads, found a toad head broke
2/3 grown in head & feet but has back
with a little only 2' long. My notes of
Diaper I have compared to Bost and
noted. Saw my first Colchester beetle.

Concord.

Ther

FRI. JUNE 28, 1912

Wea
Fine.

Clear & hot with fresh S. W. wind.

Spent entire day working with
Leah & Pat. In the forenoon we
chained a lot of apple trees at base
of house; in afternoon set traps
for grape vines and sprayed grafts
with whale oil soap for Aphididae
which are swarming now on fruit
trees. Very few potatoes on rise this
year. In late P. M. I strolled
through Berry Pasture. Found a
small last deer & throwing colony
of flying locusts at work along
margin side close to pond. This
stuff should be sprayed next year.
Two House Wrens singing all day. Saw
one with ♀ on box in garden. Saturday
saw pair at box front of house.

Concord.

Ther

SAT. JUNE 29, 1912

Wea
Fine

Clear & hot with light S. W. wind.
Look at evening with northerly wind.

Leah & I closed the farm house at
noon and moved to Back Hill.
I walked down. It was oppressively hot
in the woods yet birds were singing
freely. I left the two House Wrens in
the yard at the Farm. On Back Hill
when I reached it were singing a
Tanager, Oven bird, Pine Siskin, Solitary
Vireo & Red eyed Vireo. Saw a pair of
Starlings a very far from the nest built in
a tuft of stone crop by roadside within 10 ft
of my stone corner house. Vireos singing
delightfully across river at evening.
Spent much of day working. In P. M.
used the force pump above cabin which
Leah & Pat. worked the big sump pump.
Went in canoe 5-6.30 only up to Doherty
Hill. Back Hill covered with hickory
forest.

Concord.

Ther SUN. JUNE 30, 1912 Wea
Fair

Brilliantly clear & deliciously cool with
fresh N. wind. Chilly at morning.

Gen. U. Stewart came by morning train.
I intercepted him at Mr. Harris. We
walked to farm, then through woods to
Davis & Ball's Hill. After dinner we
paddled in row boat up river to house
where we made a long call. Jack & Sarah
traveled at a Red-eye's nest within sight of
porch windows. It held a young Red-eye &
Concord both well fledged. Good bird getting
most of food from Red-eye parent. We
encouraged him to fly in shed. Got back
to Camp by 6. Walked over hill & across
Benson's pasture. Birds singing well.
Mr. G. called a lot of Crows by calling.
We had long talk by fire in cabin
after supper.

Concord - Boston - Cambridge.

Ther MON. JULY 1, 1912 Wea
Fair

Clear & cool with light easterly winds.

Spent forenoon at Ball's Hill,
putting things away, paying off Lincolnton,
writing bird notes in Cabin, Red-eye
singing delightfully across river & over
nothing swimming, probably a Bittern, in
reeds. Saw a Red-eye & Solitary Vireo,
Pine W. & Concord singing on hill above
cabin but. Laurel & juncos in bloom.
Walking to station with Baggett at 8 a.m.
Saw 2 or 3 Bobolinks hovering in field just
over Mr. Baggett's meadow. I took 12-33
train for Boston. Spent about 2 hours in
our office. Reached home about 4.
Found C. & E. R. D. Wren. Gilbert Cawson
at 5:30 singing by Box Tooth pond
by Put the other day. Mrs. G. came
to tea with us on table finish. Gordon
singing under Sparrow. Robin singing.
2 or 3 Goldfinches over. P. Wren & a Red-eye above.

Cambridge

Ther TUES. JULY 2, 1912 Wea
Fine

Clear & cool with light N. wind.

Spent day in Museum writing letters & preparing for trip. In late P.M. C. & I went to Mr. Harris's garden and were shown over it by Mr. Harris himself who, seeing us looking over the fence came out & invited us in. His June roses are past but the climbing ramblers, pink & red, are making a brave show. We found Alex. Horn in the house with Harry when we got back.

Percy pulled half a basket of Chermis to-day. They are attractive specimens of Sparrows & a few Grackles but only one or two Robins & no Cedar birds.

I heard a Kingbird & a Song at evening. A Goldfinch & a Red eye sang all night. Only a few Mosquitoes now.

Cambridge.

Office reg. position
Ther WED. JULY 3, 1912 Wea
Fine
92°, 65°

Sunny but hazy. Hot & humid.

Spent day in Museum writing letters. Called on Dr. Corbridge in late P.M. He came running down stairs to greet us!

Three young Scrub Oats perched in a row on branch of Catalpa by Museum doorway by Percy this morning. They spent day there in dense shade of big leaves. They were fully grown & feathered. The mother? a gray? Oat joined them about 1 P.M. was gone at 3 P.M. & back again at 6 P.M.

I heard the young calling last evening. They flew about Garden this eve. in twilight.

4 Swifts circling over Museum at 6.30 P.M.

5 Blue Jays flying about all day, at least 2 of them young. White-throats & practically all birds in Garden are calling all day. It is humming with their voices.

Cambridge.

Off. rec. Boston
Ther

THURS. JULY 4, 1912

Wear

94°, 67°

Time

Clear & hot with light W. wind.

Spent most of day in Museum writing letters. At 3:45 P.M. C. E. R. S. & I were taken in Irving's motor car to Belling Chab where we spent two hours, driving on the pierce & sitting under the big trees on crest of hill in a delicious fresh breeze. Towards twilight there were fireworks to be seen in distance in many directions. A few Broadwinged Hawks were the only birds I noticed.

In our garden the family of Scrub Owls spent two days on same branch of cecidopora. There was four young birds present there to day.

The Blue Jay family (2 young birds) were very noisy & ubiquitous.

Cambridge.

Off. rec. Boston
Ther

FRI. JULY 5, 1912

Wear

91.4°, 68°

Birth-day surprise party. Time

Clear & hot with light W. wind.

Another intensely hot day followed, as usual as predicted, however, by a comfortable night.

I spent most of day in Museum writing a few letters and looking over scores of them that I had written Henry Purdie in past years & Edward Cook after his death from his sister.

About 3 P.M. I was summoned into the house where a surprise party, arranged by C. for my birth-day, awaited me. She had a big birth-day cake & 61 candles. Friends & neighbors pressed in until the hall was full. There were the Alings, the Deacons, the Horne, the Carr. Hullahs, Mrs. Lawrence, Miss Skiffen. I took them out to see 4:15 young Sand Oats in the lake. Later came

The Malcoms with Molly and Harold & her husband to drink on back porch & stay until 10 P.M. Phyllis came with C. had dinner with me & stayed overnight & coming by next day.

to
the
first
day
of
the
year
all
together

Cambridge - Lancaster.

Off. res. Boston

Ther

SAT. JULY 6, 1912

Wea

90° 68° Black Squirrel.

7 in

Clear & hot with light S. W. wind

Spent most of day in Museum working letters. Uncomfortably hot there. The mother Squirrel shot again in Caladaga but all four young grouped most effectively on stump of old Poston apple tree at edge of jungle where they surrounded themselves. At 3 P.M. I visited Barber shop in Harvard St. going down to his Car. to take 4 of them over Mass. Central. Ther. 98° in Station.

Car shifting hot & very dusty with clouds of cinders coming in through open doors & windows.

John Thayer met me at Lancaster & drove me to his home on W. Parker's Road. Just before arrival he called me out to see something on lawn 200 yds. before house. It seemed to be a squirrel as large as a dog on foot, wholly black. It shot 44 y. shot gun & ran straight down slope. He never got the Squirrel. It appeared loaded. At 40 yds. there could be no longer doubt that it was a black squirrel. It ran up on lawn & I shot at a woman who fell to ground & avoided by running by dog's side. I checked this, first starting to shoot & dummies on the squirrel.

Lancaster

Off. res. Boston

Ther

SUN. JULY 7, 1912

Wea

98° 70° Kilduck Plover.

7 in

Clear & hot with light S. W. wind.

I came to Lancaster this time for express purpose of seeing 4 living Kilduck Plover which have been haunting muddy shore John Thayer's duck pond past ten days. He shot a pair of them but saw 4 together afterwards so there must have been 6 in all, all apparently adults. He saw 3 there yesterday morning but we could find none today although we visited pond about noon & again at 6 P.M., working all around the shore. Most of forenoon was spent in Museum to catch up down. Thayer showed me four native nests & sets of eggs. Dend. caeruleus taken by him & Mr. Parker in Lancaster (1911 & 1912) that interest in P.M. We got up going to the Parker's & to Miss Holcomb's & sat in garden.

House Wren with brood of young near house. 9 Robins on lawn. 7 well-chirped Robin voices early morning. I have heard this year. Spent some time in garden. Cool down there.

Lancaster - Cambridge.

Off. rec. Boston
Ther

94° 40', 72°

MON. JULY 8, 1912

Wea

Time

Clear hot & humid with light W. wind.
Heavy thunder with a sprinkle or rain
scarcely enough to lay dust, at 3.30 P.M.

Left house at 8. John Thayer drove
with me to station. Herbert Parker
in train. We talked whole way to
Cambridge when I got off. Reached home
about 9.20. Found C. in Museum at
work with her type writer. I began
my Umbagog task again at once &
wrote a page of No. 8. Mr. Wood Duck
Townsend called at 5 to look at *Plumigen*.
Stands for Lumber & Lumber note Thursday.

Scrub Owl family in Catalpa when I
arrived this morning. 2 young missing at
noon. 1 young flew up from edge of pond
in blaring sunlight 2 P.M. After lunch
to Catalpa followed by *Spizella* & *Sporophila*.
C. read "Mourning Dove" to me this eve. Walter
& Mary called 8.30 P.M.

Cambridge

Off. Rec. Boston
Ther

99° 78°

TUES. JULY 9, 1912

Wea

Time

Sunny but heavy. Light W. wind.
Suffocating heat scarcely to be endured
from 2 to 4 P.M., slightly more tolerable
after night fall, at least out of doors.
Despite it C. worked in Museum though
forenoon. I had only two pp. for her
and after they were copied added but
little more although I tried to. After
dinner my study was like a Turkish
bath room & I could only write a
few letters then. The Owl family
were in the Catalpa at breakfast time
but before 10 A.M. all the young
had retired to the thump in jungle.
Peregrine 5 and 2 Goldfinches in together
yesterday. One singing delightfully all day.
Red-eye singing freely. C. & I called
on Mary & George Deane at 7.45. Found
them on piazza. Mary has aged, greatly
since her illness began. Her look really
white now.

Cambridge.

696. rec. Boston
Ther

WED. JULY 10, 1912

Wea

97° 76°

Fine

Sunny but hazy. Bright S. W. wind. Thunder without rain at 3 P. M. Continued stifling heat about the worst I have ever known & very hard to bear. This day & evening about the worst thus far.

Spent most of day in Museum working on Wood Duck article & making lists on no progress. Dr. Roumanie of Boston & Mr. & Mrs. Walker of Concord Rf. dined with us on back piazza.

5-83 Goldfinches in fullest plumage flying about our Garden & giving singing bells much much as they did two years ago.

Screech Owl fairly in catatops through day, in evening twilight scattered about Garden flitting to & fro among trees like so many ghost birds. The plain downed feet of them. Ensigns I count I saw one on tree. This about 7.45-
C. read "Mooseman" to me this evening.

Cambridge.

11 Ther

THURS. JULY 11, 1912

Wea

91°

Heavy rains at last.

Mixed

Morning sunny & as hot as usual up to about 11 when a heavy thunder shower began. It was followed by another at 1 & by a third about 3.30, after which it rained considerably until dark. Altogether we have had a tremendous downpour & perhaps enough for awhile. The temperature has fallen considerably and for the first time since July 2 our house is fairly comfortable to-night.

G. walked through forenoon and I all day, in Museum. I did a little better than yesterday, achieving 2 pp. of M. S. on Aip.

Old Screech Owl in catatops, 4 young in grape arbor, up to 10 a. m. Failed to keep track of them later. Two Dragons & his north white-backed wren about pond all day. Garden Toads (at least two) trailing their acrobatically this evening (8.10). Never before have I known them sing so late in year. C. read "Mooseman" to me this evening. It is the best story I have.

Cambridge

Ther

FRI. JULY 12, 1912

Wea

74° may

Fair

Forenoon cloudy; afternoon sunny.
Very cool with light N. wind.

Spent day in Museum working on Wood Duck article & making press papers. C. kept writing all forenoon chiefly on the copy of her 1909 journal.

Through forenoon the mother Screech Owl was in the Catalpa, then of her young was in grape arbor. At 5 P.M. all four birds had disappeared & I looked for them in vain.

Red Eye & Goldfinches singing nearly all day. Two Garden Larks visiting cross-country from 8 to 10 P.M. & doubtless all night. Never hear I know Larks sing louder or more freely in April. What can it mean? 3 Swifts at evening. C. & I called on Dr. Coolidge at 6 P.M. & on Margie & Walter later.

Cambridge - Concord.

Ther

SAT. JULY 13, 1912

Wea

Fine

Clear & cool with fresh N. wind.

Cambridge. Robin, Red-eye & 2 or 3 Goldfinches singing, Kingbird calling, Jay screaming, 3 Swifts circling & twittering. 3 young Screech Owls in birch over arbor, their mother in Catalpa, Thelma shooting. No other birds, except Sparrows, in Garden. Two fresh water lilies in pond.

Worked all forenoon, & up to 4 P.M., on Wood Duck article. At 4.30 I started for Arlington in Concord. Got to Kelleb who arrived this morn. went with me for interest. I took 5.05 transfer for Bedford & Trolley, car there to W. Bel.

Walking down R.R. heard singing a Song Sparrow, Meadow Lark, Bobwhite, Redwing & Phoebe. Bobwhite in full song & Phoebe walked about Ball's Hill & to Penn Park before supper. Yellow bell Cuckoo, & Flicker & Red-eye & Goldfinch & later.

Concord

Ther

SUN. JULY 14, 1912

Wea

The Kicker again. Fair

Forenoon cloudy, with light rain.

Afternoon sunny. Warm with fresh S.W. wind.

Spent most of a.m. in cabin writing letters. Kicker in full cry near boat canal at 8.30 & again at 11.30. Two Lizard whistling near Roub's camp. Various song delightfully. Several Cuckoos.

Paoked up river at noon. Head ba. Rain in lagoon. Picked up

white water lilies at very best. Lilies very numerous & of largest size. Edges of river perfect flower garden.

Walked to 7 am after dinner. Deer flies very bad! Fly very much but fly very & long in numbers but not at this time. Birds singing well. 2 ♂♂ Horned Larks, 1 ♂ flycatcher in our garden. 3 Redeye birds, one Green Finch, many Phoebe.

Enormous crop of large Blackberries in our pasture, many dead with

Back to cabin by 7. Heavy Redstart & S. O. 7 of the same to bridge & head of river.

Cambridge.

Ther

MON. JULY 15, 1912

Wea

Fair

Sunny but hazy & at times cloudy.

Warm & humid with S.W. wind.

Returned to Cambridge by 8.10

train. Talked with Jack Ames most of way. Got to Kitter at our house when I reached it. She left for Lancaster before noon. I

traveled all day on Wood Dale. ~~partly~~ making fine progress with it. C. type. working in all

forenoon. We called on Dr. Coolidge after supper, spending half an hour there. He is wonderfully bright & enthusiastic, despite his 94 years.

Mrs. Coolidge faith & feeling. In fear.

4 juv. Screech Owl in ark in a.m. & 3 in P.M. Mother not to be found. Robin & Goldfinch singing, Kingbird & Blue jays calling, Swifts humming.

Cambridge.

TUES. JULY 16, 1912

Wear
7:10

Windy, hot, humid. Slight
distant thunder at 2 P.M.

Mother Owl in Catalpa all day.

Looked for young in vain in afternoon.

At 2 P.M. nearly stepped on one sitting
on ground in middle of garden path in
full blaze of sun. It snapped its beak at
me & then flew into grape arbor. Two
minutes before this when Percy & I came
up the walk it was not there. A few
minutes later he found the other three
young in cherry tree behind Museum, a
new roost for them. Probably the first
bird had descended from a cat's foot
7:10 Yellow Shrike, Robin, Red eye &
Goldfinch singing. Vireo gilvus warbling
singly at 8 A.M. 3 Jays at evening.
Spent day in Museum working on
Wood Duck article. C. type working on Owl.
We called on the Howes after supper
& found all three saving their flowers.

Cambridge

Ther
70°. 67°

WED. JULY 17, 1912

Wea
7:10

Clear & cool with light E. wind.

Mother Owl in Catalpa all day.

4 young seen in grape arbor by
Percy at 8 A.M. They were not there
after 1 P.M. when I looked for them
there & elsewhere in arbor. At evening I
saw one flying about. A Robin,
Red eye & Goldfinch singing, a
Jay screaming, Shrike warbling.

One flower garden is now about
in best with Linnæa, marigold, Shrike
jaffin & lady hawks in full bloom.

Spent most of day in Museum
working on Wood Duck article.

Prepared Shrike song at Museum & com.

At 5 P.M. C. & I started in Victoria
for Braintree to do Chand day but he
had been taken to Boston
New Haven called at 8 P.M.

Cambridge

Ther THURS. JULY 18, 1912 Wea
Rainy.

Cloudy, warm & humid. Heavy rain in afternoon and again after dark. & later still almost a deluge.

Only a Red-eye singing in Garden. One young Screech Owl all day in Catalpa, red parent with other three in very top of cherry tree - a new arrangement. Geo. C. Deane tells me he has this lately seen two or three young at corner Sparks & Barnard Streets, flying out & back over street as if after flying insects. This in evening twilight. He also says a pair of Kingbirds have haunted his family from this June.

Spent day in Museum working on Wood Duck sketch & writing only a single word page of U. S. C. typing in A.M. We called on George & Henry Deane this evening, they in half an hour.

Cambridge.

Ther FRI. JULY 19, 1912 Wea
Fine

Brilliantly clear & deliciously cool with strong N.W. wind.

A Red-eye & Goldfinch singing & a Flicker calling, in Garden. Cross Blackbird on lawn. Old Screech Owl in Catalpa, 4 young in top of cherry tree where there were yesterday. Kingbird & Swift heard. No signs of any arriving migrants as yet.

Spent day in Museum working on Wood Duck sketch writing almost 2 pp. C. worked in forenoon. She has very disturbing news about Minnie who is in Liverpool & under some restaurant Dr. Goldthwaite came in P. M. to advise with her about it. I had a call after supper from a Prof. Hayes of Cornell College, Mt. Vernon, Iowa, interested in birds & writing for the Condor & apparently a fine fellow.

Cambridge. Concord.

Ther SAT. JULY 20, 1912 Wea
Charles River Marshes. Fine.

Clear & cool with fresh S.W. wind.
Grosbeaks singing a little at sunrise.
Old Scrub Owl on top of Cherry tree.
Four young in air at 7 A.M., after
9 A.M. high in birch over it.
Visited Charles River Marshes the former
(9.30-11.30) with Walter Deane. They
are in interesting state of transition.
between salt & fresh as the surface is
concrete etc. We found a surprising amount
of variety of birds among them. 2 or 3
Savannah Sparrows, 2 or 3 Meadow Larks
& 7 others, 6 Red wings (4 young), 30+
Crows, 100+ Starlings (A Kingbirds, 12+ Swifts,
1 Kingfisher, 1 Sharp-shin, 1 Sharp-shin Hawk.
There were 12 Black Ducks in company
flocks swimming in the river. Heard
a Pheasant cross there was a single
in grass (first as population as of year).
At least 3 or 4 Song Sparrows in full song
along edge of marsh. He ducks swimming
with most of them (some yet in down
newly swept up at their mouths &
big ones swimming in the river. Dragon flies
congregated by swarms (several species)
Took 2.08 train at W. Cambridge for
W. R. pond. Walking down road toward
(4 Kingbirds, & heard 1 Red wing singing.
30+ Robins, including one meadow lark
four hawks. Arrived at Balls Hall.
looked for a birds & found a few in
almost in Charles. On edge of Ball's Garden
in full bloom, full of birds.
Back to Camp by 6. Heard 1 in Pine Park
& 100+ meadow larks. No birds singing
except Song & Swamp Sparrows & Red wings.
Blue jays were very noisy after dark

Concord.

Ther SUN. JULY 21, 1912 Wea
Stormy

Raining all day very heavily in
P.M. washing roads & flooding hollows
in fields. Wind S.W. to S.E. Cool.

Spent forenoon at Ball's Hall.
Strolled about a little under umbrella
& watch sitting in cabin. A ♂ Sharp-shin
& a brown Marsh Hawk flew across
river meadows, both pursued by Red wing.
Big birds singing Red-wings, Song Sparrows,
Swamp Sparrows & Red-eyes. Flocks
of dove & small fawn in Pine Park.

Walked to Farm at 2 returning at 6.30.
Despite terrific downpour, after a
heavy thunder storm, I kept on down
most of P.M. Saw almost no birds
Saw a ♂ Towhee (full red head), Kingbirds,
& a Robin on nest. Flocks of big birds
in orchard. Gypsy hawks flying by
thousands in Pine Field, Saw jays.
He has better a form of Tanager.

Concord - Cambridge.

Ther
78° 56°

MON. JULY 22, 1912

Wear
Fine

Clear & cool with fresh N. W. wind.
Very little singing in early morn
near cabin. Heard only a Red wing
or two, a Song Sparrow & a Swamp Sp.
Green Heron flew past Colony.
Wonderful show of water lilies.

Returned to Cambridge by 8.13
train and spent day in Museum
working on Wood Duck article
now practically finished. C.
worked through forenoon.

Living got back from Petaluma on
Saturday. She looks older than ever.
Hattie called at 5.30 P. M.

Staying an hour. C. & I called
on Dr. Coolidge at 8 staying half
an hour. Picked up Henry Spelman
on way back & brought him in.
He stayed until 9.30.

Cambridge.

Ther

TUES. JULY 23, 1912

Wear
Fine.

Brilliantly clear with high N. W. wind.
Very cool with a frosty tang to the air
at noon & eve. According to a news item
in the Transcript the mercury stood at
22° Fahr. at Caroga Lake, N. Y. at 5 this
morning.

Two Humming birds with white throats
in the Garden at 8 A. M., the first seen
there this year. A Red-eye singing
bravely about dinner. A Robin on
Larson. Old Screech Owl & 3 young in
top of cherry tree. King bird calling.
Faint chink of jostling Noddy heard
at 9 A. M. No other birds noted.

Spent day in Museum working on
Woodcock work. Wrote account of Redhead
(prep.) & two pp. on Swamp Duck.
E. H. S. & I went to hear Mr. Copeland
read Spenser's "Celia" this ev 8-9.30
It was perfect, 37 words

Cambridge.

Ther

WED. JULY 24, 1912

Wea

Fine.

Brilliantly clear & deliciously cool with fresh west wind.

One young Owl in top of cherry tree, two young with mother on stump in jungle. Red-eye singing at sundown in feebly tones. King bird heard later. No other native birds noted except a Blue Jay, screaming loudly at intervals thro' forenoon.

Spent day in Museum working on Greater Scarp article. It went well in forenoon, badly in afternoon, & was finished by supper time. C. & E. K. S. read aloud from "Secret Garden" (a charming story) this evening.

Cambridge.

Ther

THURS. JULY 25, 1912

Wea

Fine

Clear & Cool with light N. wind

Three young Owls in top of cherry tree. Percy found another that I did not see, in the jungle. They leave this day perhaps soon after & doubtless before sundown. Red-eye singing at sundown, Robin at 8 A.M. & towards sundown, both in nearly full voice. A Kingbird calling to one Swift calling higher overhead. These were all the birds I noted except Grackles heard sometimes in the distance.

Spent day in Museum working on Lesser Scarp article & finishing a (only two M.S. pp.). C. worked all A.M. She & I called on Dr. Coolidge after supper & before she read to me from "The Secret Garden".

Gilbert came at sunset time. This morning first shot. Owl seen at last & all birds & heard on hill in garden.

Concord.

Ther

SUN. JULY 28, 1912

Wea
Fine

Clear & warm with fresh W. wind.

Phoebe singing at day break,
3 Song & 2 Swamp Sparrows along
river in forenoon, Red-eg (fussy) 9 AM
Indigo Bird, House Wren & Robin
at 1:00 P.M., Grass Finch, 6:30.

Spent entire forenoon investigating
mud conditions, both Heligson.
after noon similarly on way to &
at Farm. Results noted in back
of this diary. At Farm picked
3 sp. carp burrs & had with James
who has bought farm on Jordan.
Henry Bonner brought in &
checked on both. Will through
Bing Postman. Great crop there.

Saw another Colaptes bairdi (very bright)
in Presque Isle. Returned to
Camp 6, way of Rahm (down) & Brown

Concord - Cambridge.

Ther

MON. JULY 29, 1912

Wea
Rainy.

Cloudy & sultry with a heavy
show at morning & evening and
drenching rain between times.

Gilbert & I returned to Cambridge
by 8.10 train. Pat awaited us across
the river. He had been drunk since
last Monday & looked it but had
sobred off & was tearful & penitent
& wanted a few more dollars, which
he did not get. The rain began at
Bedlington. He passed when we got
off the car at Spaulds St.

I spent day in Museum beginning
Buffle head article & writing 2 pp.
C. Typing as usual. She finished
reading The Secret Garden this eve.
It's a Charming Story.

Two young Oaks back in Colaptes, a
third in Cherry. The other 2 neither
seen to-day.

Cambridge

Ther

TUES. JULY 30, 1912

Wear
Time

Clear & Comfortably cool.

A Red-eye singing rather well in early morning & a Robin in early fall & continuous song in late afternoon. Also heard a Flicker shout freely.

Mother Screech Owl spent day in Cherry & 2 young in grape arbor. Whole family in sight at once about 7.15 P.M.

flying about in birch grove with interesting freedom & alertness. Still no sign of any South-bound migrants since Hummers & Bobolinks on 23rd.

Spent day in Museum working on Buffs head story & finishing it.

C. copying in forenoon. She lunched at Union Club with May Cunningham.

C. & I went down to hear Copeland this evening. He considers Vandy Fair Hackney, Ashland & Park with Beckwith's

Cambridge

Ther

WED. JULY 31, 1912

Wear

Dull

Chiefly cloudy with ~~thunder~~ showers having about & a few drops of rain from one of them.

Red-eye, Robin & Goldfinch singing well. Chick of jessing Bobolink heard overhead at 1 P.M.

Swamp heard towards sunset.

Mother Owl in Cherry, two young on old Porter apple stump. The other two ~~not~~ found. Walter here to see them at 7.15 P.M., but they were apparently all gone ~~deserting~~ them although we saw 2 at 6.30.

I spent day in Museum working on Old Square story & nearly finishing it. C. copying all forenoon. E. R. L. returned from Square Lake. Walter ^{and} I supped with us. Harry Spelman called &

Cambridge.

Ther THURS. AUG. 1, 1912 Wea

Duel

Cloudy & cool, Very dark in a.m.
Thunder shown middle last night

Bird life increasingly meagre in Garden. Only a Robin, 2 Blue Jays & 3 Screech Owls there the day with a Kingbird & 7 Swifts at sunset.

The Robin was in full song for half an hour (6.15-6.45 P.M.)

Owls. Red parent in top of cherry left of walk, 3 young lower down in cherry by Museum. This this day. At 7 P.M.

I could find only one, a young bird.

Spent day in Museum working on Umbagog. Wrote account of Reddy Duck, 2 m.s. pp. only. C. type of eggs all forenoon. She & I went to

European Hall this eve. to hear Mr.

Went read from Peckwell H. did at home. Mother looked back with us

Cambridge.

Ther FRI. AUG. 2, 1912 Wea

Fair.

Partly cloudy, partly sunny, with back shown in P.M. Cool.

Robin singing at noon & eve, jay screaming, 2 Swifts high in air, 3 young Owls in easternmost cherry, a new place. Belton found one of them in the tool house, perched on a roller handle, yesterday afternoon.

The birds just mentioned were only ones in Garden to-day. Where go migrants? such as Water Thrush, Ovenbird, Minster?

Spent day in museum at Umbagog task. Wrote account of Snow and Blue Goose about 3 m.s. pp.

To Square for hair cut 5 P.M. Walking. Back heard 3 Robins singing, tall, one near Dr. Devors, one in Spruce. Senior on grounds, the third on own. have tall map page very common. Called on Tappin & P.M. Saw holes & Swifts

Cambridge - Magnolia - Concord

Ther

SAT. AUG. 3, 1912

Wea

Fine

Clear & cool with fresh
S. W. wind.

3 young Owls in cherry tree
this morning. Robin singing
gay morning.

Went to Boston at 8.45 &
took 9.35 train for Magnolia
where I was met by Miss Allgren
her brother Sam (whom I had
not seen since we were boys) -
Mrs. John Henshaw. They took
me around there to Miss Allgren's
house where I met Miss Dalton
& a Miss Bolt & John Henshaw.
Sat on piazza & had long talk with
Sam Allgren especially. Delicious dinner
at 1. Returned to Boston by 3.05
train & started for Concord at 4.51.
Took train from Bedford on, Arr.
at Concord. Then 7.45. Arr. at
Concord 9.15. Left at 9.20

Concord.

Ther

SUN. AUG. 4, 1912

Wea

East of the Jameses.

Fine

Sunny but hazy. Cool with light W. wind.
Out in canoe just after breakfast.

Started at Green Heron. Bobolinks
chirping. 1 few Song & Swamp Sparrows
singing well. No other birds in song.
No Red wings seen. Several King birds

I have seen of forams in woods
on Blakely Ridge marking transfer
camp. Red should Hawks singing.
Saw two (from birds) & a D. virens.

At 2.30 P.M. went to farm in
Cadillac car with Gilbert & spent
afternoon there. Mr. & Mrs. Javens
leave in morning. We had friendly party
for Melvin came & stayed 2 hours.

Flowers growing a bloom with color.
Cherry from James & Play. Many of
them from a 2nd year seedling. Some
have 1 bird note. One bird heard
singing was a Song Sparrow. Bobolink
back. via Brookfield & Pine Hill.
Many around on river in P.M.

Concord - Cambridge

Ther MON. AUG. 5, 1912 Wea
fin

Clear & cool with light N. wind.

Song & Swamp Sparrows and a Meadow Lark in full song at 7 a.m. within hearing of cabin. Near it in maple by river heard a Minutella singing feebly & saw a ♀ Red Start & 4 Ovenbirds together, 2 bathing at once.

Leaving Ball Hill at 7.40 I collected a little bunch of water lilies & then walked to W. Bedford Station where J.C. Melvin met me with his motor car and took me swiftly to Cambridge via Bedford, Lexington, The Willows, Waverley & West Pond.

Spent day in Museum working on Umbagog M.S. Tried to write up Canada Goose but did on a M.S. page of pen stuff. Saw old Owl in Cherry Inn. No other birds noticed in Garden. C. & E. R. S. read aloud to me in hall this evening.

Cambridge

Ther TUES. AUG. 6, 1912 Wea
fin

Sunny but hazy; cool; calm.

Renewed bird life stirring in Garden. Heard there a Robin in full song, a Flicker showing long & loud, an Oriole calling, a Jay screaming. Saw a Hummer with white throat at cardinal flowers & 7 Swifts careering overhead at sunset. Only 3 Orioles seen, the red adult in one cherry tree, two young in the other next it.

Spent day in Museum working on Story of Canada Goose & writing nearly three M.S. pages. C. type writing (chiefly her own journal) through forenoon. Wrote to my son about tonight to College Yard to see Macbeth by the Cotnam players. It was very good. Ruth Deane came from Scarborough today.

Cambridge.

Ther

WED. AUG. 7, 1912

Wea

Fine

Sunny but hazy. Warmer but yet comfortably cool.

Robin singing well at morn & eve.
Goldfinch in full song. Yellow Warbler,
Owl & 2 Red-eyes vociferating about
Screech Owl in catatops. 2 Jays.
3 young Screech Owls widely scattered,
2 in different parts of jungle. The third
appeared at noon in blazing sunlight
on cement rim of pond in front of
Museum, belly alert with eyes wide open,
bobbing his head. He seemed about to bathe
but a Robin darted down at him & he
flew up into the catatops.

Spent day in Museum working on
Uniboy. Began Whistler story & wrote 3 pp.
Ruthven Deane dined with us at 7.
Spent evening. We had a grand talk.

Cambridge.

Ther

THURS. AUG. 8, 1912

Wea
Fine

Clear & just agreeably warm with
light southerly wind.

A Robin singing well at morn
& eve, a Red eye singing brotherly
at sunrise, a screaming Jay & three
members of the Screech Owl family were
all the birds noted in our garden.
The Owls were scattered one being in
the lilacs, another in jungle, the third
(the old red bird) in top of cherry tree.
I showed them to Ruthven Deane
who called at 4 P.M. & stayed an hour.

Co type writer checked in big museum
room through forenoon. I walked almost
all day on Whistler story writing no
less than 6 pp. of M.S. by telling most
of the matter from my note books.
Heard first Tree Toad in garden this
eve. a later date than usual for the first.

Cambridge

Ther

FRI. AUG. 9, 1912

Wea
7 in

Sunny but very hazy. Comfortably warm. Light S. W. wind.

Red-eye singing a little, early morn.
Robin in full song, morn & eve.
Jay screaming, Oriole chattering & building,
Swifts heard at sunset. Three young
Scrub Oats, one in top of cherry, had
together in spruce in fog - a new
idea for them.

Spent day in Museum working
on Golden-eye story. Wrote only 2
pg. of M.S. C. copying up all for morn.

Called on Dr. Coolidge this
evening staying half an hour. Went
thence to the Deans' where I had
another good talk with Rathbun. As
I sat with him, Walter & George on
the front balcony it seemed as if
boyhood times had come back.

Cambridge-Concord

Ther

SAT. AUG. 10, 1912

Wea

Sunny but hazy. Rather warm &
humid yet a comfortable breeze. Wind S. W.

2 ad. ♂♂ Baltimore Orioles in very
brilliant plumage, together in green
cherry tree by Museum. I did not see
them touch either fruit: 2 jays making
great noise about young Smith Owl,
(the only one we could find to day)
in top of cherry. A Robin bathing in
pond, a Red-eye scolding & a
Goldfinch cawing. All this in Garden.

Spent Sat. in Museum working
letters. Mr. Dyke of Bridgewater
came by appointment at 2 P.M. bringing
4 Sw. Wagons & a Hutton's Vireo, all
shot in Bridgewater, Mass. Also showed
me 4. Pleasant fallow. Shown me
I took 5.01 train to Bridport. Perry
went up cellar & head cabinet
ready for me & a good supper.
A Soup & a very nice one on table.

Concord

Ther

SUN. AUG. 11, 1912

Wear
Mixed

Heavy rain in forenoon with
chilliest thunder. Afternoon sunny.
Warm & humid with strong S. wind.

Spent most of A.M. in cabin
writing journal notes. Walked
around & over hill after rain
ceased at 11. Good many flycatcher
moths flying & laying as plentifully
near cabin. Heard Song Sparrow
sing once. Traps all silent. Des-
troyed some & few mosquitoes left.

Spent P.M. at farm walking
up & back. Then back to Concord
with one in Putnam's pine song
♀ Indigo & several young, 1 young
Chimney Swift, 2 Blk thr. Green &
2 Cowbirds. Flower garden at farm
abloom with Phlox & Primrose.
Young Hummer there.

Concord - Cambridge.

Ther

MON. AUG. 12, 1912

Wear
Fine

Clear warm & humid - a rather
uncomfortable day with light S. wind.

Crossed river at 7.45 getting down
to water level on the way & stopping a
moment as we entered the boat canal
at 8.10 Train for Arlington & reached
home at 9.20. Spent day in
Museum working on the bird story
& writing 3 pp. mostly completed from
journal. Frank Manning arrived at
6.30 to take supper with C., leaving me
on the piazza. He stayed until 9.
Harry Sproull came at 8 & left at 10.
A Robin in full song in garden in
P.M. & a Goldfinch earlier. 4 Swifts
at sunset. Blue Jay singing. Grackles heard
3 young Screech Owl on house top
in full song. Owl Owl working at 7.20.

Cambridge - Boston

Ther TUES. AUG. 13, 1912 Wea
Time

Sunny, warm, humid; light S.W. wind

Robin & Red-eye in nearly full song,
Orcs singing busily, Kingbird chattering,
Thelma calling, in early morning. At
9 A.M. saw 12 Crows & Blackbirds &
4 Robins on our lawn. Swifts heard
at sunset. 3 young Orcs in flower cannon

bird in jungle all day. Cicadas
frying in hundreds. Weather suited them.
Wrote letter until 10.30 & then went

to Boston. At office saw Arthur,
Galloupe & Darling. Visited Safety
Vault & took out mortgage certificate
exchanging for new one at Guaranty. Telle Co

to Special Meeting Aug. 13. Sat. at Boston. Sat.
2.30. attended by Mrs. Kimball, Mrs. Hall,
Mrs. & Mrs. Robinson, Allen, Robinson & Child.
We voted to engage Packard for ten mos.
at \$25 per week of three days. Found
difficult to register & leave her work &
Mrs. Kimball. Some feeling shown.

Cambridge.

Ther WED. AUG. 14, 1912 Wea
Mixed

Warm & humid. Partly sunny, largely
cloudy. Heavy thunder shower in A.M.,
light one in P.M.

Robin & Red-eye singing fairly
well about sunrise. Kingbird, Jay,
Orcs, Thelma & Downy Woodpecker
heard later in day. Crows making
a great cawing outcry very near
house not long after day broke.
Three young Orcs spent day together
in blue spruce in jungle. The old
one on her former perch in top
of cherry tree.

I devoted myself to my
customary task from 9 A.M. to 7 P.M.
yet produced only two pp. of M.S.
E.R.S. went to Green Hill for the
day to see Gary Simmons & family.

Spent 1/2 hour at Athletic Club & got home at 6. High strains & heavy work

Cambridge.

Ther THURS. AUG. 15, 1912 Wea

First Yellow bellied Flycatcher. Myself

Forenoon clear & warm but dry.
Afternoon cloudy with light showers

Before rising this morn. I heard a Robin & Red-eye singing, a Crow cawing, a Kingbird & 7 birds calling. At breakfast time saw an Empidonax in lilacs. Just after breakfast found it in a jungle & had a dozen good views of it identifying it as by and by guatemalensis. It was very tame if a bit timid, allowing close approach,

yet keeping much among shrubbery & dense foliage flitting & also hopping from branch to branch, sometimes, however, perching on dead branches in full sunlight, more often uttering a note of song. Its throat was rather bright yellow, the secondary under feathers mainly yellowish. Also a single or some have seen a young Vireo flavifrons in full autumn plumage. 4 Red-eyes, & a young Oriole. Heard a Downy W. Warbler off on Bobwhisk on wing in distance. 3 adult Goldfinches on sunflowers. 3 young Owls on a large bush 8-9 a.m. Only 1 down at 2 P.M.

Walked all day on both the day walking 2 h. C. returned early this morn. E. R. S. read newspaper to me in bed.

Cambridge

Ther FRI. AUG. 16, 1912 Wea

56 (at 8 P.M.) First Water Thrushes. Tim

Clear & very cool with light N. wind

Yesterday the Garden seemed alive with birds; to day there were almost none. I went all over it carefully just after breakfast but could find only a Red-eye, (singing) a Goldfinch and 3 Owls (1 pair or stump, another in leaning bush, the red mother in top of cherry). Later a Robin & a Blue Jay appeared. About 6 P.M. I heard Water Thrushes chirping excitedly & presently found two of them mobbing one of the young Owls in jungle. I think they must have come into our grounds not long before this. I was surprised to hear them both utter a faint hissing call precisely like that of the Black-bellied Mother Ducklings leaving this repeatedly while flying from the jungle over the lawn to the beyond. They used only the ordinary sharp loud alarm note when about the Owl. The last is repeated here

Spent day in Mexican country on this the long & winding 2 h. C. walked this forenoon & had "Many Cows" this morn. E. R. S. left us at 3 P.M. to take boat at 5 P.M. for Mexico to visit the Elites

Cambridge Concord

Ther SAT. AUG. 17, 1912

Wear

50° at 3 a.m.

Fine

Clear, calm, cool.

Garden barren of bird life.

I could find nothing in it.

I saw a Red-eye, a

Blue Jay and the Screech Owls

- 3 young together in honey.

much, red did on in very life

of cherry.

I worked all forenoon on

Wister story. C. chined with me

on back piazza. Percy & I

took 2.00 for fr. M. Camb. to

1. Red. we found about the

largest Snapping Toad. I have not

seen in pool but in coral by

stone boat house. It is

stomach with back showing but head

is well exposed. Sinking fast on bottom.

I worked in Penn. Park at 10:30 AM

in Lake P. 12. Nothing singing. Saw
a Black-brown W. C. in oak & a
P. Duck fly in the same tree.
Bobolinks early in morning.

Concord.

Ther SUN. AUG. 18, 1912

Wear

Stormy

Raining all day, heavily at times.

Cool with moderate N.E. wind.

Spent whole forenoon in cabin.

writing letters. Also talked with Percy.

He tells me his father is a doctor

of medicine & an opposed advocate

I started for Farm. soon after

dinner via Holden's Hill. Oaks there

nearly all dead. Some that had green

foliage through June & July have

died since then - mysteriously.

Saw Tox at Farm. Everything going

well there. Gray Squirrel building

nest in pigpen house. Track of Chipmunk

in orchard. Many in birch grove, pines &

Returned via Birch Field & Pine Hill.

Started by Putney near Charlton's

& old bird & 3 half grown young near

Ball Hill Swamp. Many calling. Green Heron. Black Duck. Wood Duck. Coot

Concord - Cambridge.

Ther MON. AUG. 19, 1912 Wea
Fine

Clear & cool with light northerly wind.

Pat paddled me across river at 7.45 A.M. We got some ~~hills~~ on the way. Bobolinks calling but no birds singing. I took 8.10 train to Arlington. Left trolley car at Winneanan St. & walked across. Spent day in Museum. C. finished copying Johnston story & I revised it. Began overbook Baldpate story after dinner & wrote a page of it before 7.

Two young Owls in bent birch. Old red Owl in top of cherry. She was working in jungle at 7 P.M. at 1 two Orioles & five or six Grackles were mobbing her. Heard a Red eyes nasal call. A Robin sang a few bars in late P.M. There were all the birds I noted. C. read aloud to me this evening.

Cambridge.

Ther TUES. AUG. 20, 1912 Wea
Mixed.

Forenoon dark & lowering with fine driving rain. Afternoon sunny & rather warm. Evening cool.

Even Percy could find but one ~~Quail~~ to-day - a young bird on a high perch in a catalpa in the jungle - a new perch. Not was there much of any other bird life. Indeed I remember noting only a Robin & a Jay - besides Sparrows. It seems strange that so few migrants have appeared here this month. There, for instance, are the Quail birds & Black & White Cuckoos?

I worked through forenoon on Baldpate story, writing 2 pp. Spent afternoon revising & rearranging Johnston story. It has over 30 pp. Called on Dr. Audubon this eve. 8.15-8.45. C. read aloud before & after that.

Cambridge.

Ther WED. AUG. 21, 1912 Wea
7 in

Clear & rather warm with light
S. W. wind.

Three Owls, all young ones we
thought, were high in the cherry tree
all day. They were mottled, early
in the forenoon, by numerous vireos
& expected birds among which were
2 Blue Jays, a Robin, a young ♀
Scarlet Tanager, 3 young Orioles,
many House Sparrows and at least
15 Cross Blackbirds, all these raising
their voices in united & well nigh
deafening clamor, which disturbed
me not a little as I was writing in
the Museum. A Robin & a Redeye
sang a little, fitfully & feebly, at sunset.

I began Hysteria - song. I saw the story
& worked at it all day but wrote
only a single page of M. S. A. S. S.
P. L. I went with C. to the new Belmont
Forbes' new home. C. situated itself
over a creek on the way back.

Cambridge

Ther THURS. AUG. 22, 1912 Wea
86° 7 in

Clear, very warm & rather humid
with light southerly wind.

Old Owl in cherry tree by back house,
one young in another cherry tree. One
flying about garden in evening twilight.
Red-eye in nearly full song for 1/2
hour soon after sunset. Jays singing.
2 Robins; Cedar Bird heard, no
migrants about.

Spent day in Museum. Finished
White winged Scoter story (3 M. S. H.)
and began Song Sparrow, writing 1/2.

C. went in town to lunch
with Mary Greenough. I went
up street at 6 P. M. & had chat
with Dr. Corbridge on his door step.
C. read from prospectus after supper.

At 8.30 I went to the Russell's
stayed until 11, talking with Joe, Sarah &
his family. Joe very optimistic about
social & political bills at present.

Heard call of Cedar bird in cherry tree clear by Museum gate.

Cambridge.

Ther FRI. AUG. 23, 1912 Wea
Mixed.

Mostly sunny but with a light
thunder shower about 1 P.M. Warm.

Old red Owl in cherry by lost house.
2 young in leaving bird. Saw an
Owl fly across Sparks St. at 7 P.M.
Red-eye singing freely about 6 A.M.
Jays, and an Oriole heard in
the jungle. One Robin seen.

Spent day in Museum working
carefully on Surf Scoria story &
fossils. A. Also began Ann Sater
story & wrote about a page. C.
typed writing my M.S. all forenoon.

At 6.30 I went up Sparks St.
to the Deane's to see Charles who
had just come from Chicago & to
ask them all to come here on Monday.
C. read Transcript etc. This was in hall.

Cambridge.

Ther SAT. AUG. 24, 1912 Wea
Perfect.

Brilliantly clear & pleasantly cool with
light N. W. wind.

Old red Owl again in cherry by lost house.
2 of her young in birch. As I was looking at
Cotton, about 8.30 A.M., they were mobbed
by a whole flock of Baltimore Orioles. I
counted 12 of them coming, in quite succession,
into this above Owls and heard others scolding.
In all there must have been 15 or perhaps 20.

I saw 2 handsome old ♂♂. In the nest was
a Flicker & Red-eye, also. 3 Jays came later.
Saw a Goldfinch & 2 Swifts. Pinner saw a
Hummer on day lily. I heard Shrikes & a Robin
& Red-eye song a little about 6 A.M.

Spent day in Museum working on
American Scoria story & writing 2 H.
A. T. Pinner came at 4.30 to see about
cutting down along Sparks St. They
are also & flowering but up front. Pinner
C. read to him on hour. 7.30-9 P.M.

Cambridge.

Ther
90°

SUN. AUG. 25, 1912

Wear
Fine

Clear, hot & humid with strong
westerly wind. Warmest day since
mid July, I should suppose.

Mother Owl in cherry by back house;
one young in leaning birch. No other seen.
Owls & Jays scolding about young Owl
most of day. Robin scolding at sunset.
Red-eye singing at 6 a.m. Water Thrush
chirping later. Wood Pewee in front of
Museum, 9 a.m., perching on telephone
wire & on dead branches very actively engaged
in flycatching - a silent bird, apparently
a young one & very tame, yet called on
Whitings. Saw her at 9.30 & caught her after
that until 1. At 1.30 Charles, Hollister,
Dean & Mrs. & Miss Sandeen came to dinner
with C. & we on back piazza. After dinner
we took them through garden & into Museum
where the Deans stayed until 5. After
that I wrote more letters. Sarah Thell
Welson & her mother called at 8.30 & stayed
on home.

Cambridge.

Ther

MON. AUG. 26, 1912

Wear
Dull,

Cloudy & very cool with easterly wind.

Old Red Owl again in cherry tree by back
house; one young in leaning birch & one on
blue spruce in jungle. Both are fast
forgetting their winter plumage which will
be gray. Blue Jays mobbed them
repeatedly with volleys of shrill abuse.
Sparrows singing loudly & a
Red-eye singing & rather weak, in
early morn near house. Heard a
Downy & a Cedar bird in Garden.

Spent day in Museum working
on Butter-bird Coat story & writing 2 1/2.
C. worked through forenoon.
I made a bird call on Walter D.
this morn. Have just heard that
Frank Chapman's mother died Aug. 21

Cambridge.

Ther TUES. AUG. 27, 1912 Wea
Fine

Clear & Cool with fresh N. wind.

3 young Orioles together in leaning
bush; mother in cherry by tool house.
Red-eye singing fairly well at
sunrise. One adult Robin seen.
No other birds except a Blue Jay
were noted. Above one flower today.

I spent day in Museum working
on Butter-bill story & writing only 1 p.

C. type wrote 4 p. in A.M.

C. W. Townsend came at 6.20 bringing
a Bubo (very dark), a Black Duck (typical
ad. ♀ tristis) and a juvenile Yellow Warbler
all taken in Labrador during the trip
from which he has just returned. He
stopped with us on Cook's promise &
stayed until 9.15. C. took the man
from "Boat of Isaac" after that.

Cambridge.

Ther WED. AUG. 28, 1912 Wea
Migration Wave arrives Fine

Clear & Cool with light N.W. wind.

In the Garden, just after breakfast, I
found a Canada Warbler, a Water Thrush,
a Yellow-bellied Flycatcher, 2 Red-eyes,
a Goldfish & 4 Robins. ^{Saffron-crowned} I also heard the
singing call of some Dendroica but failed
to see its author. The Emp. flaviventris
was uniform light yellow beneath. I saw it
dozens of times in good light & very near as
it flitted about in over bush grass keeping
high up in the trees & showing no fear of me.
The Water Thrush was in leaf mostly.

Red Owl in cherry by tool house. 3 young young in
cherry east of above. Saw flock of 49 Snow
Buntings in Hutter's Park.

I spent day in Museum working on
Butter-bill story, writing 2 p. C. worked
all A.M. Miss Patch took supper with us
on Cook's promise staying until 9. I called
on Dr. Cook & Dr. at 8.

Cambridge - Boston - Concord

Ther
1920.

SAT. AUG. 31, 1912

Wea
Fair

Sunny & cloudy by turns. Early morning almost frosty. Warm later.

It was C's birthday. When she & I came down to breakfast on back piazza we found a big birthday cake the maids had made with 31 full blown & the date on it. Alpha & sister Margaret were in front Swedish house out costume & my photograph. C. & I took our coat walk through Garden & jungle. Then Gilbert, wife and the Misses C. & Z. in the Cadillac. Hurston arrived. Then in Boston. Sam Graham and again. Gallows helped me transfer all my secreted stuff from Boston Safe to the State St. de. Brighton. Winchester 22 cal. rifle at Reads. Took 1.51 train to W. B. and back. Saw 2 Doves fly over. Brown. Placed garden at 7 am. all day.

Concord

Ther

SUN. SEPT. 1, 1912

Wea
Mixed.

Glorious morning, sunny, calm, mild. Cloudy by noon; heavy rain in afternoon & evening.

At 8 A.M. heard Bluebirds calling & a Chickadee whistling phoebe. Saw pair of Doves flying low past house, north road. 14 Bats in shed left 7 in a bunch, 7 widely scattered. 7 or 8 junc. Hummers in flower garden. Crows coming, jay screaming. Plover along with Gray, Red & Chipping Sparrows. Big flock of Chipping in woods in front orchard.

Fresh deer tracks at Ball's H. yesterday.

Spent hour after breakfast in flower garden watching colors of Plox. Talled at the House & saw Mrs. W. W. in Melrose came at 3 P.M. & stayed until 5. We sat in parlor & talked. Telephone calls with C. at 8 P.M.

Concord

Ther MON. SEPT. 2, 1912 Wea
Dull

Gray day, cloudy but not dark.
Cool with light easterly wind.

Spent forenoon in farm house
writing letters & copying my bird notes
into Cambridge Garden book.

Out doors all afternoon working
with Pat at a new flower bed,
taking down bird houses, pulling
plants etc. Did not go further
than 100 yds from house. Saw
few birds about. Heard a Robin,
Red-eye, Cat-bird, Crows &
Jays, and a Cedar bird. 2
Singles hovering over & around
house all day. Only one or
two Tree Toads chirping this eve.
I hear the Sperrying Killdeer then.
Plenty of ripe English plums now.

Concord

Ther TUES. SEPT. 3, 1912 Wea
Dull

Cloudy, with light rain in a.m.
Calm, warm & humid.

Spent most of day out doors
near farm house working with
Pat & Zeph. In forenoon we
worked flower beds and transplanted
things - especially blood root.
In afternoon we cut a number
of leaves & clus close about
house which had become too much
embarrassed in dense foliage.
In late P.M. I walked to
Balls Hill via Holden Hill with
Pat, returning alone.

Many birds about farm to day.
(400) Robins, (160) Singers (4) Barn
Swallows, (3) Orioles etc. (8) Blue jays
at Holden Hill & a few Osprey
flying past Balls Hill

Saw a night hawk one hour flying in P.M.

Cambridge - Bethel

Ther WED. SEPT. 4, 1912 Wea
Fine

Brilliantly clear & pleasantly cool
with light westerly wind

Left our Cambridge home for
an absence of 2 mos. & took 9 A.M.
train, E. Div., for Bethel, taking a
transfer from car & driving to Union
Station, Portland. Country fresh &
green from abundant recent rains.
Mountain ash trees loaded with
expanding fruit beyond So. Paris.

Many red maples healthy, on some
wholly, crimson in low-lying places.
Few birds seen from car.

Met Dr. Gehring on his front lawn.
He owns all over his cultivated
grounds before dinner. His new garden
& chalet very attractive. Spent
evening in lounge talking. I
had a room in Knight College.

Bethel

Ther THURS. SEPT. 5, 1912 Wea
Big noc. mig. wave. Fair

Forenoon sunny; afternoon cloudy;
evening misty & rainy. Calm & warm.

The Doctor & I spent most of
forenoon in woods below house where
the potatoes are making a new trail.
Pleased to hear the cooing there.
Also heard him in early morning.
Saw a Redstart (2), 2 D. Mockers
a Maryland Yellow-throat & 2 Red eyes.

In afternoon inspected our hotel
(found in but not useful) & took
ride in the upper motor car with Dr.
& Mrs. Gehring to a mill pond beyond
Albany where we found lots of
cardinal flowers (Dr. dug a better find).
Saw 3 Robins & flock of Chipping.
Talked in lounge until 8.30 P.M. &
then called on the Herricks. Big flight
of Hawks & Swallows seen dark. Thanks
to the weather, on Sept 8-11 P.M.
found some birds on campus.

Bethel - Boston

Ther FRI. SEPT. 6, 1912 Wea
Fine

Sunny, Calm, warm. Foggy in
early morning.

Left Bethel at 9 a.m. &
reached Boston at 3.30 P.M.
Saw almost no birds by the way.
Went to Parker House for night.
All the windows had just gone out
on Franklin. This did not trouble me
for I dined with C. & E. R. S. at
the Mayflower Club & spent
evening there. Returning at 9.45 I
huddled up & down Fremont St.
for half an hour searching my
lip & watching the people pass
& repeat.

Boston - South Yarmouth

Ther SAT. SEPT. 7, 1912 Wea
Fine

Clear & warm with light S.W. wind
To Athletic Club for breakfast at 7.30.
Then to Mayflower Club where
I had a good talk with C. We
started out together at 10, visiting
Hovings & Jordan & Marsh, finally
separating at 33 Devonshire St.,
then going to Mr. Lowndes' office, I
to our office. Lunched at Beach
O'Graves & took 1.25 train for
the Cape. Arriving at So. Yarmouth
I was met by Alice Stone & Jessie
Knoxton in their "Peasie" motor car
as the golf links are packed up
with Stone, Mr. Knoxton & Pay.
Hill's car & took them with us home.
Saw 3 Kingbirds. Rose mallards at
W. Barnstable marshes. Big wherry
house in first cny. In North Yarmouth
and had dinner.

South Yarmouth

Ther SUN. SEPT. 8, 1912 Wea
Fine

Bleak and calm. Warm in
sun, cool in shade. Gloaming day
With Will & Alice Stone & the Knewltons
I took & enjoyed an automobile ride this
forenoon to & along the north shore of
the Cape in the neighborhood of Brewster.
From a headland we looked down
on a glassy, windless sea over which
numerous Terns & Hairy Gulls were
flying and on the sandy margin of which
immediately below us a dozen or more
Sandlings & a single Stemmatea was
running about & basking in shallow pools.

In afternoon we read, talked &
strolled about near the harbor - till 5.30
we all went to Mrs. Stone's to join
in the singing of familiar hymns. About
50 people there. Ladies in supper hall.

Then to the church where, before Miss Thompson
& I departed, we had a short service in the stone porch.

South Yarmouth

Ther MON. SEPT. 9, 1912 Wea
Fine

Bleak with light easterly wind.
Rather warm but very delightful weather.
Spent forenoon at the golf links
with Will Stone & Mr. Knewlton.
They playing & I walking with them.
Also sat on a bench & watched the
charming flights of mating yellow Redpolls
very few birds seen among them 2 Vesper
Sparrows & some Cedar birds.

Mrs. Stone, Will, Mrs. Knewlton & I
walked to Spoon Pond in late P.M.
finding it as attractive as ever.
There were 4 Spotted Sandpipers &
a Solitary Sandpiper on its shores &
2 Kingfishers flying about.
I dug a lot of Golden Aster plants
to take to Concord. Spent evening
in porch talking over with the Stones
& Knewltons.

South Garmouth, Boston, Concord.

Ther TUES. SEPT. 10, 1912 Wea
Time

Clear & warm with little or no wind.
Left South Garmouth by 9.51
train. The Kuntzins & Stone took
me to Station in their motor car.
Had ride to Boston. Percy met
me at Station & took my suit case
to Cambridge. I called at our
office & looked at Bureau O'Grady's.
Took 1.51 train for W. Bed.
Charles Deane met me at North
Station. Gifford followed us
across river. We saw him about
until it was nearly dark &
had a good long talk in cabin
after supper, mostly about our
sharing of premises. Charles is
a delightful raconteur & I
enjoyed his stories greatly.

Concord

Ther WED. SEPT. 11, 1912 Wea
90° Time

Clear & oppressively warm with,
however, a fresh west wind. Sky
clouded over by 3 P.M. & a light
thunder shower later 3.30-5/

Leaving the Cabin soon after breakfast.
Charles Deane & I walked to the
Farm where we found Jim Melvin
awaiting us with his motor car.

After talking for an hour we went
to Concord to show Charles the
"Minute Man" & "Melvin Memorial"
Stations. Got back at 11.30. After
dinner I took Charles over the
Farm. He was surprisingly hot
especially in the woods. He left
me at 3.30 to drive to Concord
for 4.12 train. I hurried back to
Cabin reaching it somewhat wet
but before the onset of the shower.

Concord.

Ther THURS. SEPT. 12, 1912 Wea
Fine

Clear & cool with light N. wind.

Spent day at Farm, walking
up at 8 a.m. & back at 4 P.M.
Pierce & 3 men began work
there yesterday on the apple orchard
pruning the trees severely & stripping
all leaves with care. I was
with them much of the day. After
getting back to Ball's Hill I
planted the golden asters I
got at South Galloway on Monday.
Birds seen very scarce. The
only northern migrants noted were
a Black-poll with 4 Chickadees
a Red start & a D. Linco. & a
Canada Thrasher. Saw 4 Robins
on Pine Hill & 1 at Farm. A.

The Golden & a Bluebird along with

Concord

18 Ther FRI. SEPT. 13, 1912 Wea
Heavy mig. of Warblers Glorious

Brilliantly clear & just pleasantly
warm with little or no wind.

Spent most of day at Farm,
during there. Walked up at 8 a.m.
& back at 4 P.M. Pat & I moved
a lot of Pines & Spruces & Asters in Park
replanting most of them in care.
He saw a small doe behind Ball's Hill

Country flooded with birds mostly
Warblers which kept high in trees &
were very restless. For these reasons I
failed to identify many of them. I saw
although giving much time to the attempt.
In a large flock on Pine Ridge I recognized
several Black-polls & D. Linco. & a

Redstart. Am almost sure I saw an
Orange-crowned Warbler with them. Indeed
I feel certain of it as the bird, I heard
the full song of a Black-poll but in a short
thrust a D. Linco. chirped & the song
ceased. Redstart. I heard the song
heavily at Ball's Hill & on Pine

Concord.

Ther

SAT. SEPT. 14, 1912

Wea

Dull.

Cloudy & warm with fresh S.W. wind.

Spent day at Ball's Hill working with Pa. We worked flower beds, transplanted golden rods and cleared out a lot of rubbish from the maple grove in the meadow east of the hill.

A dozen or more Warblers, all apparently Black-polls, drifted back & forth past cabin. With them were several Chickadees & a Canada Warbler. Saw a Water Thrush & heard a Brown Thrasher, both by the river. A Red-shouldered Hawk on perch in Halden meadow. A Kingfisher flying past cabin.

Concord.

Ther

SUN. SEPT. 15, 1912

Wea

Dull.

Cloudy; oppressively warm & humid. Altogether an uncomfortable & also a depressing day.

I spent the forenoon writing letters in the cabin. In the afternoon I paddled up river a little way and worked to Barrett Meadows and had a long nap.

The woods & meadows seemed almost barren of bird life. I saw a few Chats, a Kingfisher, a Jay and (St. Caroline Doves) flying together over Halden Hill. Near the cabin

I noted a Black Poll, a Chickadee & a Canada Warbler. Above the river I heard a Savannah Sparrow chirping in the grass. Where are the Blackbirds? I saw not seen one, in fact - neither on shore nor in the water.

Concord.

Ther MON. SEPT. 16, 1912 Wea
Fine

Early morning cloudy after heavy rain all last night. Most of day sunny & after noon brilliantly clear. Cool east wind shifting to N. & S.W.

Spent most of day working near Ball's Hill with good old Pat. As usual he was full of his drach Irish humor & sentiment.

We transplanted ferns, opened a canon channel thru bottom barrens in pond hole across river & did other odd jobs of little value.

Smith O. Doyle appeared at 3.30

& stayed to supper. We walked

to Pine Ridge where we found a big flock of Robins, mostly

Black-bells. Saw a young Bay Breasted among them. Saw a Goldfinch flying South. Many small birds everywhere to-day

Concord.

Cape May Warblers seen at 7 am
TUES. SEPT. 17, 1912 Wea
Great bird day. Heavy m. Superb

Brilliantly clear & pleasantly warm after a chilly fog - occasional mists. Light W. wind. Head West & Thrushes abundant. Last night

Country flooded with migrants from north all day. Rarely have I seen so many before. Black-bells, Starlings above together & fully 50 in one flock at 7 am.

At 7 am heard Robins chirping all about town. At 7.15 heard a Pine Warbler in a full song & a Towhee calling at E. end of Lake.

2 Red-breasted Hawks soaring overhead. Started for 7 am at 8 am. Birds seen or heard every where. Found big perfect flock in Pulpit Rock woods. 1 Goldfinch

1. one on house. 2. finally drifted to town. 3. calls by fresh seabird. After I heard at 8 am & phoebe song of a beautiful

of Cape May Warbler watching. One 10 min. She was low down in oak foliage on cloud

branch & looking on after flying over a low bird in perfect plumage, very yellow

labeled with soft yellow wings. He called off 15 or 20 more Robins.

at least 50 Black-bells in one flock. Also 3 Canada Goldfinches, 8 Chantrelles, 1 House Wren, 1 House Finch, 1 House Sparrow

Saw where I think was a 1 Golden-crown. Saw just only a glimpse of them. Birds very restless & constantly flying in and out of trees.

2 Sharp-shin. Hawks soaring high at 10 a.m. 7 or 8 Hawks flying on S. side S. at 3 P.M. 12 or 13 House Wrens & 1 Towhee. 1 Starling on Pulpit & 1 House Finch

1. Blue Warbler by pond. 2. Blue-bird. Short day as far as walking birds.

Concord.

Ther WED. SEPT. 18, 1912 Wea
Fair

Forenoon sunny; afternoon cloudy;
warm with strong S.W. wind.

A birdless day. The migrant hosts
here, yesterday must have perched on
last night for the woods & thickets
were everywhere silent & deserted
this morning. On my way to Farm
just after breakfast I heard only
one Warbler chirp & saw only a
few Crows & Jays. At the pond
in Berry Pasture where I walked
through forenoon with Pat I saw
a Solitary Sandpiper & heard a
Brown Thrasher. Four Robins & a
Flicker near house & Box Chippers
in the peach orchard. Squirrels
numerous & busy with the hazelnut shells.
Hatched back to Ball's Hill at 4 P.M.

Concord.

Ther THURS. SEPT. 19, 1912 Wea
Bald Eagle at B. H. Fair

Forenoon sunny; afternoon cloudy.
Intensely hot & humid with fresh S.W. wind.

Very few birds. Saw or heard
about 8 Blackpolls, one or two D. virens
four or five Jays, several Crows, a
Hairy W., a Flicker, a Kingfisher,
2 Robins, a young Bald Eagle in
uniformly dark brown pl. (flying
low southward over Ball's Hill) 2
Red-shouldered Hawks (singing &
screaming wildly at 9 a.m.) a
young Song Sparrow singing bravely at
sunset, 2 Song Sparrows, a Rusty
Blackbird (heard in air at evening)

Spent day at Ball's Hill. In A.M.
Liz, George & Pat chomped and well &
cared much for laundry. In late P.M.
I peddled up river to Lapon.

Concord.

Ther FRI. SEPT. 20, 1912. Wea
Myrtles chuckling at night. Dull.

Cloudy & cool with strong N.E. wind
which brought light rain at evening.

Spent most of day at Sals' then
with Zeph, Pat & George, who worked
on road through swamp, carting
dirt to raise it higher. Walked
to Farm via Davis Hill & Pleasant Farm
in late P.M. Peter & his 3 men
have nearly finished with after time.

Very few birds visible in liberty now
at Farm.

Thrushes & Warblers migrating in
some numbers last night (10-11)
I heard one which was evidently a
Gray-chest (or Belding's). Just
after I went to bed (11.15) something
began making low chuckling &
murmuring just under my window.
It also rattled lightly among dry leaves.
I have no idea what it could have been
except a Starling. I heard it for half an hour.

Concord.

Ther SAT. SEPT. 21, 1912 Wea
Dull.

Cloudy with occasional brief intervals
of sunshine. Very cool with fresh N.E. wind.

Spent day working with Life Pat &
George on the roadway through Benson's
field. We regraded it & put in two
drains to take off storm water.

Jim Melvin came down in P.M.
& spent about an hour talking with
me as I stood near the barn.

At 5 P.M. I walked to Pine Hill
& spent an hour there watching
trees for cutting. Later, Gypsy, which
infestation very bad there.

Birds scarce than ever. Did
not see or hear a single swallow
of any kind all day. Heard Crows,
2 Red. shouldered Hawks & a Kingfisher
& a Downy. Saw 2 flickers -

Concord.

Ther

SUN. SEPT. 22, 1912
Big Bird wave

Wea
Fine

Clear & cool with light E. winds

Country again flooded with migrants from the north. Heaviest flights of acrobats thus far. At sunrise there were first by 50 Black jacks on Davis Hill. At 9 a.m. I found them all the way to Davis Hill. Seeing at least 100 in all. With them were many *D. virens* (one ad ♂) and a single *Ministrella*. There was 2 Pine Siskins singing as steadily & well as in May. A single *D. carolinensis* ♂ in full H. very common, edge of Swamp. A Thrush this looked like a berry. 17 Blackbirds Walked to Davis's Pine Hills (2/11/12) To 7 o'clock at 3 P.M. Met Jim M. there. He took me to Concord to call on Mr. Patterson. Saw 3 flocks of Bluebirds, & about 20 Jays along road. Only 1 Robin

Concord.

Ther

MON. SEPT. 23, 1912

Wea
Fine

Clear, calm, warm. Cool last night. Early morning densely foggy.

At sunrise heard Bluebirds flying over. A few Black-jacks chirping. At 8 a.m. Saw Sharp-shin Hawk fly past. Crossed river at 8.15 & met Jim Melvin by appointment on R.R. bridge 8.30. He & Mrs. M. took me to Cambridge in their motor car. 5- Blackbirds in Fresh Pond. In our Garden found 5 Robins, 5- Black-jacks, a Water Thrush, a Jay & a very light red Sunset Owl in lilacs with Hawthorns nearby it.

Met Mrs. Bauer in her house. Discussed renovations. Mr. Harris agreed to lay 4 oak floors for \$140. Gilbert to do painting for about \$40. Went in town at 12.15. Dined at Concord place. Saw Arthur & Daisy & George. Took 1.55 train for W. Bedford = Worked on woods on Pine Ridge until dark

Sassafras & Red Maple - large living fossils. Wingwood - bass - gum.

Ther WED. SEPT. 25, 1912 Wea
Fine

Brightness clear. High E. wind. Moon
+ cool, Warm through day.

Saw no migrants. Saw 8 or 10 Blackbirds
Bluebirds calling over Bats; this in early
morn. At Farm saw a Cat bird, a p.
Indigo Bird & a Song Sparrow in front
of house, 5 or 6 Chipping in orchard.
Heard a Robin call. Red-shouldered
Hawk screaming at Bats this & another
at Farm. Solitary Vireo in full song
on Pine Hill at 6 P.M. Swamp Sp.
Song over at evening. Kingfisher near
cabin. Squirrels numerous & busy. The
Geop. are not molting one even this year.
One Bat only in short cape.

Spent most of day at Farm fixing
mach & plow & chisel. Rode up in morning
to Lake Park to Buck Det. at 3 P.M.
Worked on new road at Pine Hill
from 3.45 to 5.45 P.M.

Concord

Ther THURS. SEPT. 26, 1912 Wea
Glorious

Perfect day, absolutely cloudless, calm,
deliciously warm. Cool at noon on
early morning foggy.

Very few migrants 2 or 3 Blackpolls,
a Chipping, Canada Thrush & Ring
Blackbird & Yellow (heard) Song
all I noted. Plain Wren & Solitary
Vireo in full song at 8 a.m. & heard
another Solitary (in Birch F.) at 9 a.m.

Just after breakfast went on road
of Halls Hill & spent some time
working there for cutting. At 8.30
Gilbert took me to Farm in motor.
Spent rest of day there. Worked
on road to Birch Field with Gilbert
in a.m., with Zeph & Gray in P.M.
Partridge drumming all P.M. at foot
of ramp. Pheasant Crowing most of P.M.
in front of house. Canada Jay up
in house all day. 1 Bat in shed. Left
Walked back thru Holden Hill after dinner.

Concord

Red maple foliage gorgeous in flower
Ther FRI. SEPT. 27, 1912 Wea
Green Heron heard Dull.

Cloudy with light W. wind. Day cool.
at evening when the sun came out
just before setting & the sky cleared

Four or five Black-bells near Cabin. A
Tame Olive-back Thrush spent entire day
in thicket at E. end of hill, calling freely. A
Herring calling in swamp at sunset.
Six or eight Juncos flitting about cabins.
Ten Robins on ground in Holden Woods
at 5.30. As I was at Beaver's Landing
at 6.11. heard a Green Heron call
many times. Gilbert heard it on chest at
Cabin. Many fresh deer tracks on
& behind hill. Gray, Red & Chipping
Sparrows about Cabin getting Christmas.
Spent day at east end of hill with
Zeph & Gray cutting down trees.
After they left me, at 4.30 I walked
to Park Hill & Park Park getting back
to cabin at 6.05

Concord

Ther SAT. SEPT. 28, 1912 Wea
Glorious

Brilliantly clear with light N. wind.
Comfortable warm though day, cool at
early morning & at evening.

Spent entire day working with
Jeph & George cutting down trees
at Benson's Knoll. We cleared the
greater part of the river bank
here & also took down a good
many infirm or crowding oaks
on the knoll itself. After the
men had gone I rambled
through the woods on Holden's Hill
until after sundown. Saw no less
than 5 Phoebe's; then flew from
a maple across river, then a hawk to
was feeding well out in Benson's field.
At least 30 Robins in his pasture at least
5 more birds & crows. Saw a flock
of 8 juncos, 3 Titmice, a few Blue jays.
Three Warblers singing on trees at East
Phoebe's colony, crows on
maple etc., Maple Swamp all over.

Concord

Ther SUN. SEPT. 29, 1912 Wea
Fine but Dull at times. Stormy

Raining nearly all day, heavily
at times. Light southerly wind.

Starting just after breakfast I
walked to Davis Hill & Pine Park.
Found a flock of about 20 Thrushes
on Pine Hill, most of them Blue jays.
The rest D. virens. Heard Golden
Crest Kinglet in Pine Park & Mount
Crago on Bald Hill. Saw
Juncos feeding, about Robins
Wrote letters in laburn 11-1 P.M.

Walked to Farm after dinner.
Saw 3 Partridge in South Field.
Telephoned Will Robbins at 4 & asked
how to buy a cow at 80. or less for
Telephoned C. at very flower Club.
Left house at 5.30. As I was walking
out by elm a Deer caught my eye.
It was a noble Buck of large size
with four horns standing on middle
of field across road, watching me.

Concord - Cambridge - Boston.

Weasel hunts Rat in Cabin.

Ther MON. SEPT. 30, 1912 Wea

Winter Wren in Garden Super
Killing frost last night.

Cloudless with light N.W. wind

To Cambridge by 8.13 train. Spent
two hours in Museum & Garden.

To Boston at 11.45. Talked with
Arthur about change in Hunter

Compensation. No checkers reached.

Signed quarterly annuity & other checks.

Returned to Concord by 1.57 train.

Paddled down river to, among autumn
coloring - very fine. No black especially

around Holden M. & behind Birch Lab.

Saw 7ish hawk on Davis Hill &
Grass off Birch Lab. Walked to

Pine Hill & Burnside's car stop about
5 miles. Saw James & White there.

As I was at breakfast this morning.

Saw a huge Weasel chasing a Rat
in cabin. He caught it but it was

not a mouse, the other of it. See
Journal for full story.

Apparently not many down birds
about Birch Hill but in our

Cambridge Garden I found lots
of them representing 11 species over.

Robin (3), Blue Bird (1), Chickadee
Th. (1), Winter Wren (1) Black poll.

(6), House W. (1 juv.), Water Th. (1),
White-thr. Sparrow (5), Junco (1),

Goldfinch (12), Blue Jay (1),
Habitat & Cedarville Gophers left

to see how soon

Concord

Ther

TUES. OCT. 1, 1912

Wea
Dull.

Cloudy & cool with fresh W. wind.

Bark shown in late P.M.

Spent whole day behind Ball's Hill
with Zeph & George cutting down

trees on the flat north of Swamp near

Crash grove. These woods are badly

infested with gypsy moths & I am

herefore to take out all the oaks

& birches. Incidentally I am cutting

many pines & some cypresses, Coches,

to open vistas & wood roads to

make the place easy of access in

springing time. Very few birds

about. Saw a fine cock Pheasant

run across road at east end of hill.

Wrote in Crash grove at 4.45 P.M.

heard a Sharp-shin & looking up
saw the bird flying over shortly &
high in air. It was running at the time

Concord.

Ther WED. OCT. 2, 1912 Wea
Fine

Brilliantly clear with strong, cold
north west wind. Hoar frost at sunrise.

Spent day behind Ball's Hill cutting
trees about the larch plantation with
Teph & George. Pat appeared at 9 am
rather upset by his recent illness.
I set him to work cutting paths.
There were a good many small birds
about today. Near the others I
saw a Phoebe, a Black Throated
Blue Warbler (in broods on river bank),
a Hermit Thrush, several Juncos
& upwards of 20 White thr. Sparrows
in the woods where we worked were
Chickadees, a Cowbird, Nuthatch & 2
Golden-crooks. Skipped a Partridge in
the swamp & another near Birch Hill.
Two juncos with two parrots flying
near the pond. Five or six Phoebes

Concord.

Ther THURS. OCT. 3, 1912 Wea
Fine

Clear & warm with fresh S.W. wind.

Spent day behind Ball's Hill
with Teph & George who cut down
a number of large oaks on the
hillside above larch grove. Pat
also worked there rolling up rubbish
Smith O. D. & the carmen down
at noon. After dinner we walked
to Davis Hill where we saw
a Jay Towhee. On Pine Hill we
saw with Chickadees several of
which were calling, Phoebe, warblers,
& White-throats in front of cabin.
Saw only one Black thr. Thrush &
A. Oar. 3 Red-throated Hawks
singing in woods on top of Ball's Hill
at 7 A.M. - working great clouds.
4ish hawk flying low over hill
at 11 A.M.
Mistle thrush wonderful to - do

Concord

Ther FRI. OCT. 4, 1912 Wea
Superb autumn coloring - Other hand. Glorious

Clear & oppressively warm. Strong S.W. wind
 Wonderful autumn foliage. Coloring of
 red maples, tufes, hickories & sumacs
 at or near its best. Never have I
 seen it more brilliant & varied here.
 It was most impressive along edge of
 Holden meadow, in Ball's Hill through
 along river front of hill & at Farm.

Spent most of A.M. at Farm. picking
 grapes. Thousands of honey bees about
 them, injuring them severely. At least
 75 - the. Sparrows in miller's garden
 trees. Young September in apple tree.

Working with men behind hotel after dinner
 In late P.M. paddled up river to Hopson

Returning dry and down on 2 young Grebes
 & watched them many minutes. Went glad
 getting within 60 yds.

As we were at supper at 7.30 an other
 cause note boat just front of calm meeting
 a tremendous splashing & uttering various
 low bird-like notes. I went out
 with flashlight but could not see anything

Concord.

Ther SAT. OCT. 5, 1912 Wea
Autumn coloring at best. Glorious

A truly wondrous day, calm,
 cloudless, as warm as midsummer.
 Autumn coloring gorgeous everywhere
 & apparently at its very best. The
 painted woods & thickets alive with
 birds & squirrels. Pheasants among
 hickory, Wood Thrush, Crows, Crows
 flying. Cuckles chirping in the grass.

I went out in a canoe before
 breakfast. Two vines the bullheads maples
 along the front of Ball's Hill through
 the open wooded tract. A Greater
 Heron flying off to the Canon. Spent
 most of day on or near hill. Put
 up four hawk poles in meadows
 after dinner. Gilbert took me to
 Brook - Pond in river at 5 P.M.

Walked down to Farm. to feast on
 grapes. Hickories wonderful copyings
 of old gold. Pheasants among
 hickory & basses in the gloaming

Concord
Foliage shows some autumn
Ther SUN. OCT. 6, 1912 Wea
Flying Squirrel at B.H. Perfect

Cloudless with light W. wind. Very warm all day, in fact oppressively so.

When before breakfast I took a turn on river in canoe the maple foliage seemed as brilliant as ever but by afternoon it had faded nearly away where the leaves were falling. During my paddle passed 2 young Grackles within gunshot. To Davis Hill with Pat, after breakfast. Rain had been singing fully there. On way, I collected up tail & pieces of skin of Coy. Flying Squirrel on path at W. end of Ball's Hill my first evidence of an occurrence of this species anywhere on my Concord Road. Something had evidently killed it, also the Chestnut Case night. - wrote letters 11-1. Started for home at 2.30 & spent afternoon there. Picked over a basket of splendid "walling" apples. Skinned 3 white Pharoants in field. Saw other two in cane. They skinned me as they howled off calling loudly. Picked up a drawing of a bird of same. Woodcock & a pair of the 2nd morning.

Concord
Ther MON. OCT. 7, 1912 Wea
Foliage shows spoiled Fine

Clear & oppressively warm with strong S.W. wind which blew most of the foliage off red maples before night. Their leaves were falling in showers covering the ground beneath the trees.

Very few birds about. Even in the early morning before the wind started, when I was out on river in canoe there seemed to be almost no feathered life stirring either in the woods or in the marshes. Most of the

White-throats had left the river front and in the woods I noted nothing except Chickadees, a few Yellow throats, 2 Blue Jays & a Black-jack. A Marsh Hawk & a Kingfisher flying over river.

Spent day working with the 3 men on the east road along river front. Hill Gilbert took me to farm in motor car at 5.30 P.M.

Concord - Cambridge.

Ther TUES. OCT. 8, 1912 Wea

(5) Deer seen in orchard at Farm. 7 in

Clear & cool with fresh N.W. wind.
Foliage show over for present along
rivers most of the maples being now
bare.

To Cambridge by 8.10 train.
Went directly to Mus. Comp. Zool.
& attempted to write my annual
report there, with Outram Bangs's
help but it proved impossible to
finish it so I brought accession
book away with me. Bangs
invited me to dine with him
at Colonial Club. I went there
to our house after seeing Mr. Bolechide
& arranging with them about C.O.U.
entertainments. Spent 2 hours in

Museum copying titles of my articles
etc. for my report. Left at 12.30.
Dinner & called on Mr. Bolechide at 5.05
train from Cambridge to Bedford.
Robt. Bolechide, Bangs, Goss, Gellard, Wark

Concord.

Ther WED. OCT. 9, 1912 Wea

Fox barking at 7.15 P.M. - Fair

Large sunny partly cloudy. Cool
with fresh westerly wind.

Worked all day with Zeph & George
behind Ball's Hill cutting trees in
the maple swamp and about the
Couch plantation. 2 Robins, 2 Herons,
several Chickadees, a Creeper, a Junco,
a Canada Warbler, Golden-crowned Wren,
a pair of Jays & a Hairy Woodpecker
there. 4 White-throats at Cabin.
Green in river, Kingfisher over it,
8 ad & 5 juv. Marsh Wren over
meadows. Red-shouldered Hawk
seen in forenoon. Gellard
found 4 Western Yellowlegs in early
morning - As we were at supper
(7.15) a Fox barked down on right
time across river. I have not heard
one before for several years.

Concord.

Ther THURS. OCT. 10, 1912 Wea
We move into farmhouse. 7 in

Sunny with light southerly wind.
Very warm at midday, cool at night in
Autumn coloring almost as fine
as ever in woods at Farm but
almost wholly lost in Ball Mill light.

Left Camp down with the
horns this morning to move our
things to the Farm. It took about
2 hours to get them ready & to
put away books & canvas. The

river & meadows were exceedingly
beautiful but we had to leave
them. Many birds about. *Phalaropus*
usually, Jay & Hawks, *Sclerurus*.

Left at 10:30 AM as far as Concord
in our motor car. I walked through
to farm house. Spent most of day
in doors writing my Museum report.
Strutted through Barry Pasture just
before dark.

Concord.

Ther FRI. OCT. 11, 1912 Wea
Stormy

Cloudy & foggy with light N.E.
wind and fine, drizzling rain
that began last evening & continued
through entire day.

The hickory trees behind the
Farm are still densely covered
with golden foliage and the
sycamores & poplars along the
roads continue to glow brilliant
red while the high bush blueberries
are as richly colored as ever.

Very few birds about & none
of special interest noted. A
Partridge descending slowly at
first, regular interval in the
rear of farm of course.

Spent day working with the
men. He dug up soil on third for
laying *Geothlypis* & *Pipilo* &
planted a lot of things.

Concord.

Ther

SAT. OCT. 12, 1912

Wea

Heavy Henshaw comes Stormy

Cloudy & foggy with fine
misty rain. Light easterly wind.

To Pine Hill with the men
at 8 a.m. Spent forenoon
burning brush here first (by
telephone) obtained permission
to do so from Mr. Merrill, the
Concord Fire Warden. The
men kept at it all day but
I did not go down in afternoon
as I wanted to receive Henry
Henshaw. He arrived here at
3.45. Gilbert going to station
for him. We spent evening
talking in parlor.

Saw or heard every small bird
to-day. Several meadow larks
Black Duck flying over Pine Hill.

Concord.

Ther

SUN. OCT. 13, 1912

Wea

Fighting fire Fine

Sunny & warm with light
westerly winds.

Henry & I went to Benson's
pasture after breakfast. After
examining golf there then another
I decided to have a look at
our brush fire on Pine Hill. As
I approached it I saw a great
cloud of smoke & then a long
line of flames just below the
opening & entering dense pines.
Taking off my coat (a good one)
I asked this to smother the blaze
& by the most strenuous efforts
got it temporarily suppressed. This
gave me time to call Henry & Gilbert
& together happened to be at Balls
Hill with Ben Henshaw. They handled
water. Benows came shortly & then
Pat. They worked all day. I
went down again at 1.15. The clouds
all disappeared & gave the night

Concord

Ther

MON. OCT. 14, 1912

Wear
Time

Clear & rather warm

Henry spent forenoon playing golf at Concord with S. O. Dexter. I spent in picking apples, chiefly Kessels, Baldwins & Blue Pearmains. They were of the largest size & very richly colored. It was a delight to handle & arrange them, selecting the finest to take to Cambridge.

Leph & Gury picked all day. They got 32 bushels of Baldwins from one tree in the farm garden.

Henry & I walked to Ball's Hill after dinner, returning via Holden's Hill where we picked up a lot of fine chestnuts. Saw many white-throats & juncos, 30+ Titmice & 7 Robins. Phoebe's swooning

Concord.

20

Ther

TUES. OCT. 15, 1912

Wear
Time

Clear & cool with violent, gusty N. W. wind. Leaves falling in showers & blowing across roads & fields.

Spent forenoon with Leph & Gury at Rish's place picking Baldwin & Russet apples some of them very large & fine. Henry went to Benson's pasture to pasture golf club Smith O. Dexter came down at noon & dined with us. With him we walked to Ball's Hill via Birch-Ticket & back via Holden's Hill where we found the ground thickly strewn with chestnuts & filled our pockets with them.

Started a Belted in Hoar's meadow. Saw many juncos & white-throats. Henry & I collected all the evening. C. telephoned that E. R. S. is well.

Concord.
Oak foliage coloring fast.
Ther WED. OCT. 16, 1912 Wea
Fast ice. Fine

Brilliantly clear with fresh cool
W. wind. Pat reports boat ditch off
B. H. Skinned with thin ice at Thos
At 7 am we still have our bit
of blowing fumes & another of
hooligans untroubled by frost &
our grapes are still unimpaired by it.

Henry went to Berens factory
for golf just after breakfast. I
went with him most of way.

Returning spent most of forenoon
sorting & boxing russet apples. The
noon was feeling all day Pat with

them / At 12.30 Henry & I
started for Balls Hill to meet
the Dexters - Mrs. & Miss. & her
children whom I found on the
river. They spent an hour pulling
up Chesnuts on the shore hill
Saw a Super select near our boat
also. Lots of Juncos & other birds

Concord.
Ther THURS. OCT. 17, 1912 Wea
(9) Geese in river off B. H. S. fresh.

Clear & very warm for season with
fresh S. W. wind.

Spent most of day in orchard
sorting & packing apples as the them
noon frost & found them out on the
ground by me. Lots of Juncos about.
3 Canada Nutcrackers in elm at Barn
Henry went to Concord at 9 am. for golf.
At 3 P.M. Gilbert saw 9 Canada Geese
fine river opposite Coburn & hurried back
to report it. Henry & I started at once
taking 20 g. gun & back shot. When we
reached Coburn Geese were 200 yds below
a feeding closely along opposite margin
of river. I pushed out in canoe but
had gone only few rods when flock took
to flight off landward banking landly.
One big bird headed straight at 80 to 100 ft
tall. (Horned Grebe) on landing water.
I started 4 Partridge & a Pheasant. Saw
a Rabbit in back field & a Snake in
river near Paddock.

Concord

Ther FRI. OCT. 18, 1912 Wea
2 Deer at Farm. Superb

Perfect Indian Summer day, cloudless,
very warm, with light S. W. wind.

Oak foliage apparently fading after
a short period of no great brilliancy.

As Henry was starting for Danvers
at 8 a.m. he called to me that
he could see 2 Deer at foot of one
Cave. When I got to him they had
disappeared. We found them a minute
later in the trees & watched them for
some time as they slowly withdrew
looking at us making a pretty
picture. Both were does - a big &
a small one.

Spent a.m. sorting & packing
apples as the mail called them.
We finished with last box by noon.
I then went to Danvers on his car
with apples & grapes for C. & E. R. S.

In P.M. Henry & I walked to
Ball's Hill. I took the gun along
but saw nothing to shoot at.
Sunset calm & serene. The air very
soft & warm & full of flying gnats
& things. Parkridge dancing in trees
at 2 P.M. Gray Squirrels dancing.
Sack & come from overfired.

Concord

Ther SAT. OCT. 19, 1912 Wea
Stormy.

Forenoon deeply cloudy with violent
S. W. wind. Afternoon rainy & uncomfortably
warm & humid especially in both hills.

Spent forenoon packing apples &
selling baskets & barrels of them
to send away. Left truck to take
to Concord in P.M. 2 of them
for the Jeffersons at Oxford.

Henry went to Concord after
breakfast to play golf. We
stayed in doors after dinner
until 4 P.M. when S. O. Dwyer
& his brothers drove down. He
walked to Ball's Hill with them
seeing a Bat flying there, very
fine birds used to day.

Deer were cut down two does
behind house planted them by
John & John Barrett in 1876.

Concord.

Ther SUN. OCT. 20, 1912 Wea
Fine

Clear & rather cool with light N. wind. No universally killing frost as yet. Ternias, Nostrethens & play still blowing at Farm. We have eaten most of the grapes there.

Henry & I walked to Barnes's place soon after breakfast. Dyer's Brother joined us there. I went on to B.H. & later to Davis Hill with Loph to mark trees for cutting. We found a Fox's earth with fresh tracks & an enormous pile of sand in Putnam's pines. I flushed 3 Partridge. As we were passing this meadow at Farm a red Screech Owl started from leafy apple tree 20 yds up & glided off into the trees. In P.M.

Henry & I went to Lawrence's to see his apples. Saw 2 Hummers in Berry Pos. by pond in which only a little water is now left.

Concord

Ther MON. OCT. 21, 1912 Wea
Fine

Clear & warm with light E. wind. White frost in early morn. Oak foliage about at its most brilliant stage of autumn coloring.

Spent most of day at Farm working with the men. We cut down a number of elms near house & lawn. One big one lodged in another & gave us much trouble. I am collecting the triangular cluster of elms & grape vines between shed & barn. Saw the tracks with a squirrel.

At 3.30 P.M. Henry & I started for a walk. We went first to Birch Island & thence to Lawrence's pine woods skirting through his lands & fields of open fields. It was a perfect afternoon, mild & still.

Concord.

Ther TUES. OCT. 22, 1912 Wea
H. W. Henshaw departs. Glorious

Clear & warm. Forenoon dead
calm. Light E. wind in P.M.
A rarely beautiful & indeed perfect day
Most of the trees except oaks have
shed their leaves & the woods have
a wintry look in many places.

Henry Hershaw left me soon
after breakfast to go to his sister's.
Gilbert took him to Concord & spent
most of day there making repairs
at Howards on the Cadillac car.
I went to Ball's Hill with the
three men, returning for lunch.
We cut down trees & boxed two
cattle holes in swamp. Jim
McNair showed me there in
P.M. & we chatted for an hour.
Saw five Fox Sparrows in Bird Field
skated 3 Partridges on Horns Bar (B.I.)
Red Shanks Hawk screaming loudly.

Concord.

Ther WED. OCT. 23, 1912 Wea
2 Dew at Ball's Hill Raining

Early morn. densely foggy. Light
rain in forenoon, frequent showers
in afternoon & a tremendous downpour
from 4 to 8 P. M. Very warm. Light E. wind

Spent day at Ball's Hall. Crossing river at 8:30 we cut down the big ~~Grand~~ oak by boat house that died two years ago. The stump showed 76 rings of annual growth. Recrossing river we walked in & near Couch plantation cutting trees, felling logs etc. Two Deer walked close past Pat while the men were chipping & working a lot of noise, but I did not sight them. Saw a Kingfisher on horse pine, 4 Robins & a Flicker in hupbes trees. 2 Hairy Woodpeckers. Sighted at least 7 half grown young Rheas & Wrens mostly in the big pines & songfully. 3 or 4 Great Blackbacks in Harris field.

Concord.

Ther THURS. OCT. 24, 1912 Wea
Dull

Cloudy, warm, humid. Early morning foggy. Several showers - one very heavy one in P.M. Sky cleared before sunset. Wind S.W.

Gilbert went to Cambridge for the day, to help clean museum.

Left down him to & from Concord.

I worked with 3 men all day in Bury Pasture. We cut many trees, chiefly elms & birches, & burnt an enormous quantity of brush - after obtaining permission to do so by telephone, from Mr. Merrill, this morning. Very few birds about. Saw a fine cock Pheasant in field. Just after heavy shower every thing was soaked with rain drops. Glittering in sunlight till ice diamonds

Concord

Ther FRI. OCT. 25, 1912 Wea
Rainy

Early morn foggy & cold. Sun showing at 9. Heavy showers at noon & drizzling rain most of afternoon. Wind S. to E. Very warm & humid.

In Ball's Hill with 3 men at 8 a.m. Spent forenoon there burning brush (by permission from Merrill) & cutting a fine tree. Business cutting on his own account. In afternoon we worked at Farm hauling brush & wood & preparing the floor for buck floor.

At 7 a.m. the Farm seemed alive with birds. There were Crows Cawing, Jays Cawing, Chickadees, White Throats & Juncos Cawing, a Pheasant Cawing. At noon & later saw 12 Robins flitting about. Bluebirds Cawing in early morn at Farm & Ball's Hill. 7 Green Blackbirds flying low E. at 3 P.M.

Concord.

Ther

SAT. OCT. 26, 1912

Węa
7 am

Forenoon largely cloudy. Afternoon
sunny. Calm & warm all day.
Jinnias still in bloom at 7 am &
one pale holyhoke blossom on B. 71.

Spent day in, from noon at
rears of Ball's Hill working with
my team men. We cut a lot of
trees, chiefly Beeches, and trimmed
dead wood from others casting
branches out into meadow & burning
a thousand. ~~Beeches~~ ~~was~~ ~~there~~.

trekking & bearing for himself.
Gilbert came down & got dinner
at Cabin Smith. Dexter firing was
just in town for the Walling
down in early noon. I started 5.

Partridges all at once in Bird Field
 & 3 near E. end B. H. As I came
 out 4 colors at border a few
 Blue & Green rose from mouth of -
 died across some of field negroes
 off on west meadow.

Concord.

Ther

SUN. OCT. 27, 1912

Wear
Fine

Clear & warm with light W. wind.
Crickets chirping, Wood Frogs croaking,
Yellow Butterflies on wing. (Dragon Fly
yesterday). Bark from Junipers & Gums in bloom.
First Winter Wren & Tree Sparrows.

Spent entire day alone. Hunted - of -
deer, tramping about in woods on
Tacon plain, while for evening work.

In Big Pasture just after breakfast
saw a Winter Wren, 2 Tree Sparrows,
5 Robins, a Flicker & 2 Blue Jays.
Later in day shot 2 Crows.

Phoenicurus aedon of Corn & 2.
 Partridge falcon on 2 white
 throats & a Fox Sparrow found of brown.
 What has happened Pickering Hylas?

I have not heard a down call
all the autumn despite the wonderful
warm, calm weather. However

Concord,

Ther MON. OCT. 28, 1912 Wea
Time

Clear & rather cool with
light northerly wind.

Spent entire day within 100
yds. or less of farm house working
with the men. We put in
posts for grape vines, removed
a section of wall in front of
house, hauled off a lot of rubbish
and planted many crows &
juncos & birds. There were
many small birds about,
chiefly juncos with 3 or 4
sparrows, 2 white-throats,
a Song Sparrow, a White-b. Nuthatch
a Downy & 5 Robins, a solitary
Carr. Blackbird. It rained through
day. Pastors & children played
evening. Phoebe calling.

Concord

Ther TUES. OCT. 29, 1912 Wea
D.C. French visits me. Time

Clear & very warm with light
southerly wind.

Spent forenoon at Farm working
with Zeph, Pat & George in the
run. We began to well right
finished cutting out a new road
and then leading from the bottom
road into & down the new ground.
Pulper shells. Most of the trees are
now very green & large.

Dan French joined us shortly
after dinner. We had a delightful
walk to Bales Hill via Bird Field
& Pine Hill, returning via Holden Hill.
Saw very few birds. Evening spent
in pastor talking. Dan looks
exceedingly well & much younger
than he has for a number of
years.

Concord

Ther WED. OCT. 30, 1912 Wea

Clear & oppressively warm with
Heavy S. W. wind which about
4 P. M. when the wind shifted
to N. W. & the air became
refreshingly cool. Mr. Dexter
who came down to drink with
me says that the Concord
weather observer, Towne, has
told him that the past month
has been the warmest October on
record.

Dan French left me at 7.50
A. M. to take 8.06 train for
Boston & coming train for New York

I spent day with 3 men
working on wood land in
Barrett Place. We have it all
cut out in the maple woods. Very
fine birds & many of interest.

Concord.

Ther THURS. OCT. 31, 1912 Wea
Time

Clear & warm with light W. wind.

Spent day working with the men
at Ball's Hill, during the day. We
were all as busy as could be
putting away things for the
winter & making certain arrangements.
The screens were taken out &
Zeph replaced the posts of the
outer approach to my sleeping room
with new & heavier ones. Pat.
& George hauled a lot of dirt
for the river road way. I saw
very few birds. A Red-shouldered
Hawk & a flock of about 15 small
Blackbirds that looked & called like
Red-wings, a few Chickadees, a Juncos
& a Thrasher sp. A Spotted Owl.
Phoebe's alighted on my chimney
in front of a flock of house wrens & a few others.

Concord.

Ther

FRI. NOV. 1, 1912

Wear
Stormy

Fairy red sunrise, Cloudy forenoon,
heavy rain from 1 to 8 P.M.

Warm with violent S.E. wind
(blowing a gale in early evening).

Spent forenoon with Eph, Pat,
Benjamin & Gary Balch cutting
oaks, birches & run chestnuts on
the wooded slope north & east
of the farm at the farm. We
finished this task at noon
when few trees were left except
hickories of which there are very
many, mostly not over 20 ft. tall.

After the rain began we
went to work in the woods
shed laying bricks for flooring.
I put them in place myself as
the men hauled them in.

Very few birds. One Robin near the house.

Concord - Cambridge.

Ther

SAT. NOV. 2, 1912

Wear
Fine

Clear & cool with fresh N.W. wind.

My last day in Concord. Spent
most of it working with the men
pulling away things for the
cemetery, selecting places to go
to Cambridge, etc. We finished
laying bricks floor in shed at
11.15 when Eph, George & I went
together to woods bordering road
to Bedford. George is to cut
all the oak trees this winter
& he wished me to blaze the
lines he is to follow. He has
agreed to cut & stack the oak
wood for 1.25 per cord. Eph
is to haul it over into Concord
at 3.55 P.M. George & I left
the farm on the Concord car which
carried me to Bedford where
I went to 8.30 and left
Cambridge for Concord.

Cambridge

Ther SUN. NOV. 3, 1912 Wea
28°-36° Fine

Clear & cold with strong, chill
N. W. wind. Little frost in garden
accumulated over & surface of ground
rather hard frozen, this morning.

To Boston with C. & E. & Mrs. Wymen
at 10.15 a.m. & attended service at
St. Pauls. Good sermon by Dr.
Rommance, Home by 12.15.

The Storer & Miss Allen dined with
us on Chesham from Farns, Selford,
having left them there yesterday, had to
go for them this morning in the
Cadillac car. The Storer stayed until
4.30. After they left I wrote a few
letters. C. & E. read to me in hall
this morning. Saw 3 Chickadees & a
Blue Jay in Garden. Got down
very good Isabelle & Catwaba papers
than this afternoon.

Cambridge - Boston

Ther MON. NOV. 4, 1912 Wea
Fine

Clear & cool with fresh westerly wind

Spent forenoon in Museum writing
letters. Went to Boston at 12.30,
lunched at Branch O'Graves, called
at Safety Vault for two 1000 Mass
Bonds & sold them to Holbrook & Co
to make good deficit due to recent
payment of taxes they were buying for
that purpose last month. Talked with
Linton about Linton Corporation.
We reached no definite conclusion.

Saw Gallinule & Redwing. Bought 200
green drops & 100 Baylen bulbs at
Fother, 7-11, Harvard & 3/4, corner of
Loring & Cambridge was at Gracks!

Home by 5.30. Received check this morn.
Fine morning. John Lanyon on trip to
Harvard, bringing back two birds
of Florida beginning with a pair of

Cambridge.

Ther TUES. NOV. 5, 1912 Wea
National Election. Fine

Clear, calm, mild.

Noted in Garden. 3 Chickadees,
1 Brown Creeper, 3 Goldfinches, 1 Junco,
1 Fox Sparrow, 1 White Throat, 12 House
Sparrows, 2 Blue Jays, 1 Flicker,
1 Downy.

To polls at 9 A.M. Voted for
Wilson & Marshall for Bird as
Governor; otherwise voted straight
Republican ticket. Dr. Coolidge, whose
95th birth-day passed last week,
entered polls & voted while I was there.

Spent most of day planting
bulbs in lawn with Percy's help.

Jeff came down in forenoon
with 20 baskets of apples & about half
a dozen potatoes. E. R. S. read to us
in hall this evening.

Cambridge

Ther WED. NOV. 6, 1912 Wea
Fine

Clear & warm with fresh W. wind

Noted in Garden ② Hermit Thrushes,
② Chickadees, Canada Nuthatch (eating seeds),
Brown Creeper, ③ Goldfinches (singing),
⑩ Juncos, ② Blue Jays, ④ Crows,
Flicker, Hairy Woodpecker in lindens
for 10 minutes, very noisy (rattling call)
chased each other by an House Sparrow,
Downy W. (5 in lilac)

Spent entire day working with
Percy planting bulbs in lawn & in
front of house. Also planted some
Lemon irises in garden.

Gilbert working on aquaria. We
have taken out all the goldfish (7)
from the pond & kept them a
month now have had 2 years
E. R. S. read newspaper to us this eve

Harry Woodpecker in maple corner house & built the

Cambridge

Ther THURS. NOV. 7, 1912 Wea
Scarlet Tanager in Garden. Stormy

Cloudy & oppressively warm with strong S.W. wind. Heavy rainfall in afternoon & evening.

Noted in Garden: Hermit Thrush (eating haw in front of Museum) Red bellied Nuthatch (2, both in pond) 6 Chickadees, Brown Creeper, 3 Goldfinches, Juncos, White-thr. Sparrows, at least 30 House Sparrows, 3 Blue Jays (one with hurt wing, unable to fly, dangling at pond), Hairy Woodpecker (rattling case hd.), ♂ Downy, Herring Gull (flying over).

At 1 P.M. a ♀ Tanager. Took a bath in pond. Standing up Museum door closed & I watched her for several minutes about 15 ft. away. She had perfectly plain brown wings & looked so brownish about on wing especially, that I thought for the first moment of a Sumner Redback but she was much too small for that & had too small & too dark crown (horn-colored) a bill. Hence I now conclude to believe that she was a *Myiarchus cinerascens*. Right her with she flies up into the lifeline by the pond & sat there flitting & quivering her wings. After that she flew off towards Brasella Hall.

Spent day in Museum working letters etc. A Boston State Reporter called at 2.30 & stayed over home talking. He wants a "write up" for Museum for his paper & V. Corcoran, Mary Bromberg, Rebecca, Sister Frances & Nellie working towards each other.

Cambridge

Ther FRI. NOV. 8, 1912 Wea
Fine

Clear & cool with light northerly wind.

Noted in Garden 4 Chickadees, 4 Juncos, 12+ House Sparrows, 2 Jays, a Downy, 35 Gulls flying over.

Spent day in Museum working with Gilbert putting away books, rearranging mammal birds & otherwise getting the place in order for next week's invasion. A Globe Newspaper man came out to photograph my Audubon painting & a group of Ruffed Grouse for an article in his paper. He secured a quiet, clear afternoon.

B. R. S. went to the Bar this evening. C. read to me after we had dined together up stairs.

Cambridge

Ther

SAT. NOV. 9, 1912

Wea

Tanager again

Fine

Clear & cool with light westerly wind.
Heavy shower in late P.M.

Noted in Garden 4 Chickadees, 2
♂ & Red-bellied Nuthatches, Tanager,
3 Goldfinches, 4 Fox Sparrows, 3 Juncos,
White-thr. Sparrows, 2 Blue Jays, Downy,
20 House Sparrows.

The Tanager reappeared at 1 P.M. I
saw it again at 2 & watched it fully
half an hour, following it about. Then it
entered arbor, getting & eating back in a life
grape. Most of time it perched high in bird
grove & in big willows covering out after
flying in early. It was shy & suspicious &
I could not approach it closely but on one
sunlight saw it walk. It looked very brown
above & almost uniform on rump & tail. Its
wings appeared almost uniform with back &
showed no blackish but I saw two traces
of two yellowish bands & light tips to secondary.
The bird kept raising its tail, slowly with
like a Heron's. Despite its small
size, I began to think it may be a Parula.
Its bird looked too small but showed light to day.
Somehow its behavior looks very odd like a
Scrub Jay. But it is no longer.
Spent day in Museum clearing up my bill
etc. & family letters. Left daylight when off.

Cambridge.

Ther

SUN. NOV. 10, 1912

Wea

Fine

Clear & cool with light N.W.
wind. No frost of late. Grass
on City Canons as green as in summer

Met C. at St. John's Church at
10.45. Walked down with her & Mrs.
Carruth. Good sermon by Dr. Hodges.
Returning C. & I called first on
Dr. Goodridge & then at the Always
where we saw Mr. & Mrs. & all four
girls. Alice Allen our only guest
at dinner. After it I wrote
letters in Museum on a long one
to Arthur E. (as per) about my
compensation as Trustee.
Joe Deane called after supper. I
walked home with & saw Ruthorn
who had just come from Chicago.
Returning found all Christ's lights
on in our house. Telephone to who
sent man who had brought.

Cambridge

Ther MON. Nov. 11, 1912 Wea
A.O.U. Council & Business Meeting Fine

Clear, calm, mild.

The Council Meeting of A.O.U.
began at 10.15 a.m. in my
study in Museum. By that time all
expected had arrived viz. Batchelder,
Brewster, Chapman, R. Deane, Dwight,
Elliot, Fisher, Osgood, Sage & Stone.
We had lunch in house at 1 P.M.
& after that a short afternoon session.
Mr. & Mrs. Chapman, Elliot, Osgood &
Leona Jones, our guests for the week,
were added to at dinner by R. Deane,
Dwight & Sage. invited for this dinner.
At the business evening meeting held
in my big room in Museum we had,
besides the 10 Councilors, Bent, Barnum,
Bishop, Jones, Bangs & Chubberson.
Election of Fellows a long struggle
ending in defeat of Hoagins. Meeting
lasted until about 12.30

Cambridge

First Public Meeting A.O.U.
Ther TUES. NOV. 12, 1912 Wea
Batchelder rec'd 5 Cts, 1 at 8 P.M. Fine

Clear, calm, mild.

Attendance at this the first public
meeting of A.O.U. Congress (30th) was
large. The big lecture room in Geological
Section of Mus. C.Z. being well filled.
Chapman & Job both had good cartoon
slide shows & talks. The latter overran
his time more than half hour, there
crowding out cartoon talks by Pearson
who was much apprehensive believing that
Fisher (in Chair) adjourned meeting
expressly to get rid of him. We all
went from Museum to Batch's reception
His house crowded with members.
I received male members in my
Museum from 8 to 11 P.M. Fifty seven
came among them Prof. Fred Patterson &
John Hoagins. Ogilvie, Solle, in cream did
served all 4 in my study.

Cambridge.

A. O. U. Meeting - second day.

Ther

WED. NOV. 13, 1912

Wea

Annual Dinner

Dull

Cloudy & sultry with light rain
after dark.

Morning meeting in Nash Lecture
Room, afternoon in Gilepost.
Large attendance with more
than half of audience women.
Papers not especially good.

Annual dinner in Brett's Hall
building. About seventy went.
I sat with the Chapmans &
with Fierles who arrived
this morning & is one of our
guests, showing Osborn's bed.
I had to make an address
of welcome, very trying although
short & impromptu. One
hundred forty went back early
about 9.30 - but we sat up
late.

Cambridge

A. O. U. Meeting - last day.

Ther

THURS. NOV. 14, 1912

Wea

Reception for ladies A. O. U. Stormy

Cloudy & cool with heavy rain in
afternoon & evening. Very dismal day.
Forenoon meeting only closing

30th Congress, A. O. U. It opened
with good paper by Alexander Forbes
on Flight of Gulls. This followed by
heavy discussion in which Jack Nichols
Harry Bigelow, Fierles, W. B. & others
took part. Then we had a fine
Lenten slide paper by Cleaves with
pictures of Black back Gulls were superb.
Very good attendance. After lunch
at Colonial Club we had Council
Meeting. Home by 3 P.M.
My reception to lady members of
Union in Museum 4-6. About
35 came. Walter helped me through
collection. C. & E. H. S. assisted by
Ernest Greening & Mrs. Bolles.
Ellis, Chapman, Fierles, Osborn, Jones

Cambridge - Lancaster.

Ther FRI. NOV. 15, 1912 Wea
John Thayer receives A.O.U. Time

Clear & cool with light N. wind.
By invitation from John E. Thayer
about 70 A.O.U. members went to
Lancaster for the day. With Chapmans,
Fuentes, Osgood & Jones, I started by 8.20
train, Mass. Central R.R., found Walter D.
& Betty & his men on it, John Thayer
met us at So. Lancaster station. We had
a fine chance to see building & collections
before arrival of bulk of crowd who came
by 10.05 train from Boston & filled the
building. At 1 we were driven to the
house where Mrs. Thayer received us.
We had a good lunch & a very jolly
time. I parted there with the Chapmans,
Elliot, Fuentes & Osgood who went to
take 5.05 train to Worcester. The
rest of us returned to Cambridge & Boston
by 3.25 train. Then I was seen from
Roxbury. Had some time

Cambridge - Concord.

22 Ther SAT. NOV. 16, 1912 Wea
Time

Clear & cool with fresh N.W. wind.
Harry Woodfeller in hides, 5 Goldfinches
in birds, at 8 a.m.

Gilbert & I took 10.08 train to
Concord. Arriving there went into
village for supplies etc. I called at
Bank to cash check & wife deposit.
Went driven to Farm by Gilbert's man
reaching there about noon. House
cold & damp. until furnace fire started.
Spent most of P.M. with Lyle
cutting pairs for carrying, in front
of Bongard's & on slope below orchard.
Very few birds. 3 Juncos front of
house, 1 Tree Sparrow in orchard,
Pheasant cooing in Purple Rock woods.
Geo Holden tells me he shot 4 Snipe
yesterday in Great Meadows. Flying over
at I saw from cars, 1 flock of about
12 Blackbirds apparently Red-bellied

Concord

Ther SUN. NOV. 17, 1912 Wea
Deer seen near house Dull.

Clear sunrise with ground
hard frozen & snow white with
hoar frost. Remainder of day
cloudy & mild but chilly.

Scouting for Christmas pine etc
going to Pin & Davis Hills via
Birch Field in A.M., in P.M.
through woods of Farm.

Birds noted: (9) Robins in lawn,

(13) Tree Sparrows in orchard;

(3) Chickadees at Farm (2) at Pin Hill

1 Creeper at Farm, Golden Crest

housed in Prescott Pines & White Birch

Northside on Pin Hill, Flicker at

Bentons, (25) Goldfinches (Pin Hill),

(2) (2) Juncos, 2 Jays, 4 Crows.

11 Partridges (3) ^{at Pin Hill} 3

Phoebas (1) ^{at Pin Hill} A big doe seen by Zeph

at 5 P.M. within 15 ft. of our shed. I
saw her dig up in her garden a

Concord

Ther MON. NOV. 18, 1912 Wea
First snow-flakes. Dull.

Cloudy & cold with high N.W.
wind. Large, scattered snow-flakes
falling every now & then. My hands
numb with cold much of time.

Spent day at Farm working
with Zeph & Bensen. In forenoon
we put in posts for grape trellis
in front of barn & hauled in
a lot of pine cut Saturday.

In afternoon we went to
Birch Field & cut a wagon load
of young pines to take to
Concord for Christmas trees &
winter burning. Started 3
Partridges there. Saw a Phoenix
in field front of house at 7 a.m.
One Junco, a Flicker, a Jay &
several Chickadees the only small
birds noted.

Concord - Cambridge.

Ther TUES. NOV. 19, 1912 Wea
Pine Warbler. Fine

Clear with light S.W. wind. Ground hard
frozen at sunrise, muddy before noon.

Spent forenoon at Farm working with
Pat & Zeph. (The former rafterhead at 10 A.M.
having been missing ever since Am 6th). We
cut pine in Berry Pasture & front of Ringdale
& barked rafterheads with them.

♀ Pine Warbler with ♂ Chickadee in orchard
on ground & in apple trees. Very tame. Got within
a few feet of her. 6 Tree Sparrows & 2 Juncos
in lowest patch rears of house. As I was watching

them a pair of ♂ Sharp-shin Hawk passed
close on this side of & clanked at. This
suddenly but so closely that all easily caught
him. They all then scattered & I kept shooting in
orchard & the Hawk flew off very rapidly
toward Ringdale & I saw 2 Jays, a Field Sparrow
& 3 Phoebe's (in Danvers field). Hawk had first
to back there at 1 P.M. Left near house
there. Hawk Chickadee & Gold finch
Rough forest as one near at 2.45. Just
as in leaf of a fruit of 400 Acres Blackbirds
passed & alighted in a maple on Belle Hill
where when they made a great clatter.
Hawk & 4 Sparrows in house near back lawn.
Left 4.27 train to Cambridge.

Cambridge - Boston

Interview with Blackwell.
Ther WED. NOV. 20, 1912 Wea
Trustees Com. Agreement. Fine

Clear, calm, very mild. Frost all gone

Birds noted in Garden at 9 a.m. were
6 Goldfinches, 4 Juncos, 1 Fox Sparrow,
1 White-throat, 1 Blue Jay.

Business call on Howard Blackwell. 9 a.m.
He asked me to allow him 100 for painting
retaining bridge etc. This I granted. He then
asked me to put in new bath room under fence
stair the cost was 500. He is paying 60
interest on this sum as additional road. I took
this under consideration.

To Boston at 11.30 a.m. At our
office from 1 to 3.45 P.M. Long talk
with Arthur about Trustees' Compensation etc.
I wrote him on 10th that I could not
continue to serve as Trustee of Greater Boston
less than 2500 annually. Is this his
side of the agreement, he said to day. They will
serve for 1500 each. We discussed
reimbursement of Watson mortgage money
& considered Wytheville & Sherborn. Decided
finally to put 15000 in Copley Square
Trust, 5000 in Cambridge Lib. mortgage
& remainder in Quincy & Chelsea
bonds. Also discussed selling of Newell and
at Northboro. Arthur suggested taking
one of stores capital from Mass for Newbury.
I went to Cambridge at 4.30. To use office.
from office. Then to And. Soc. meeting at
P.S. Soc. 4.45. 5.15. 5.30. 5.45. 6.00. 6.15. 6.30. 6.45. 7.00. 7.15. 7.30. 7.45. 8.00. 8.15. 8.30. 8.45. 9.00. 9.15. 9.30. 9.45. 10.00. 10.15. 10.30. 10.45. 11.00. 11.15. 11.30. 11.45. 12.00. 12.15. 12.30. 12.45. 1.00. 1.15. 1.30. 1.45. 2.00. 2.15. 2.30. 2.45. 3.00. 3.15. 3.30. 3.45. 4.00. 4.15. 4.30. 4.45. 5.00. 5.15. 5.30. 5.45. 6.00. 6.15. 6.30. 6.45. 7.00. 7.15. 7.30. 7.45. 8.00. 8.15. 8.30. 8.45. 9.00. 9.15. 9.30. 9.45. 10.00. 10.15. 10.30. 10.45. 11.00. 11.15. 11.30. 11.45. 12.00. 12.15. 12.30. 12.45. 1.00. 1.15. 1.30. 1.45. 2.00. 2.15. 2.30. 2.45. 3.00. 3.15. 3.30. 3.45. 4.00. 4.15. 4.30. 4.45. 5.00. 5.15. 5.30. 5.45. 6.00. 6.15. 6.30. 6.45. 7.00. 7.15. 7.30. 7.45. 8.00. 8.15. 8.30. 8.45. 9.00. 9.15. 9.30. 9.45. 10.00. 10.15. 10.30. 10.45. 11.00. 11.15. 11.30. 11.45. 12.00. 12.15. 12.30. 12.45. 1.00. 1.15. 1.30. 1.45. 2.00. 2.15. 2.30. 2.45. 3.00. 3.15. 3.30. 3.45. 4.00. 4.15. 4.30. 4.45. 5.00. 5.15. 5.30. 5.45. 6.00. 6.15. 6.30. 6.45. 7.00. 7.15. 7.30. 7.45. 8.00. 8.15. 8.30. 8.45. 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Cambridge

Ther THURS. NOV. 21, 1912 Wea
f. inc.

Indian Summer day, clear, calm very warm.

Scene in Garden ③ Chickadees, ④ Goldfinches,
⑤ Juncos, 1 Fox Sparrow, 1 White-throat,
♀ Hairy Woodpecker, 1 Blue Jay.The Woodpecker, a very large one, spent at
least ten minutes among the small trees
(hawthorn, holly & such) in front of Museum
chewing steadily up their stems, popping
them lightly here & there but getting no food.I was in Museum all day (working
at odd tasks) / Saw for two hours in
forenoon which I spent with our Curator.
Antonie Blackwell to spend ^{the} day, on
new letter from & I on innovations;
Sympetris with Mrs. Brown one had
work on her call flower, I promised
Mrs. Day to see down the maple in her
yard.
Purdon Dean called at 3 P.M. &
stayed until 5, talking

Cambridge.

Ther FRI. NOV. 22, 1912 Wea
FairChiefly cloudy with sun shining brightly
at times. Calm & mild but chilly.Notes in Garden Chickadees (heard),
Brown Creeper (heard), Downy W. (heard)
House Sparrows 10, Hairy Gulls 7Spent most of day in Museum
working others. Gilbert took me to
Harvard Square at 10 A.M. to
send telegrams to Henry & Allen
to say I should not go to Washington.
I had planned to start to-day but
found I could not well get through
in time to be at Allen's office at
appointed hour (1.30) Saturday. The
trains run very slowly & inconveniently
now owing to bad connections.
C. & E. R. S. seed about in hall
this evening.

Cambridge

Ther SAT. NOV. 23, 1912 Wea
Ruby-Crown Kinglet. Fine

Clear, calm, very mild. Another typical
Indian Summer day.

Noted in Garden. Ruby-Crown Kinglet,
10 A.M., in Shutter & old cedar front
of Museum. Uttered characteristic chatter
many times. Apparently ♀ but I failed
to get good view of crown. Bird alone
for several minutes, then joined & followed
by House Sparrows which drove it off out
of sight over houses & trees to westward.
Chickadee (2), Goldfinch (2), Fox Sparrow (1)
Jay (1), Crows (3), Thrush (1).

Spent most of day in Museum
writing letters. Left some from Concord at
10 A.M. bringing load of furs & more
apples. Giltner went to Farm in tractor
for ground pine getting back at noon.

We put up furs & furs about 2 1/2 hours
in P.M. The McWilliams & Miss Valentin
called at 8.30 bringing an hour.

Cambridge

Ther SUN. NOV. 24, 1912 Wea
Stormy.

Heavy N.E. storm with violent wind
& a deluge of rain in the afternoon.

Noted in Garden only a Goldfinch
& a juncos feeding in tops of seed-
laden birches and a dozen or more
House Sparrows flitting about.

Spent most of day in Museum
writing up neglected bird notes
for the Journal from condensed
passages in the daily entries
in the diary relating to Pheasants,
Canada Geese & Deer at Concord.

At dinner we had Mrs. Wymann,
Sally Dearborn, Minnie Chapman &
the Misses Rogers. E. R. S. read
aloud in hall this evening.

Cambridge

Ther MON. NOV. 25, 1912 Wea
Resumed Umbagog work. Dull

Cloudy & chilly with high W.
wind & occasional flurries of snow

In the Garden saw 2 Chickadees
& about a dozen House Sparrows &
heard a Junco & 2 Jays.

C. Spent forenoon in Museum
type writing her journal & I
resumed work on my Umbagog
book taking up the American
Scoter story which was not quite
completed last August & adding
to it a fresh page of M.S.
which occupied me until 6 P.M.

C. & E. R. S. went into Boston
to the Grand Theatre this evening.
I spent it at the Almy's where
I saw most of the family & had
a good talk

Cambridge - Boston

Ther TUES. NOV. 26, 1912 Wea
Dull

Cloudy & cool with light S.W. wind.

Only House Sparrows noted in Garden.
Spent upmost of an hour in Museum
after breakfast. Started for Boston at 10.30
Reaching office had long talk with
Arthur at Trust matters & Judge
Atwood. Arthur sent for Mr. Abbott, his
lawyer, & we talked with him also.
After lunch (at Bunch O' Grapes) I
spent about 2 hours looking up stock
certificates & other papers & talking them
to Safety Board which I visited. Then
took out Certificate 21 Shs. Tel. & Tel. to
have 10 Shs. sold to Jay for 5 new
Shs. Edison Etc. Remaining 11 Shs. Tel. to be
returned to Jay later. Had long
talks with Gallinger & Darling about
Estate matters. Our "residuary" will
be born this year because of heavy expenses
for repairs to house 7,000 (for 149 Shs.)
I left home at 5.30. E. R. S. & C. remained

Cambridge

Ther WED. NOV. 27, 1912 Wea
Fine

Clear & cool with fresh N.W. wind.

In the Garden saw 3 Chickadees
a Bronz Creeper & about 15 House
Sparrows; heard a Flicker calling
& Crows cawing. One of the
Chickadees of this trio seen here
almost daily has a very faint voice
and utters the usual chick-a-dee-dee
notes in what might be termed
a shrill whisper.

Spent day in Museum working
on Butler-Bell Story. I went
badly & I added less than a
page of fresh matter. Balchster
called at 4 P.M. A box containing skins

of 5 Esquimaux Curlew shot last August
in Labrador came from Dr. Grinnell
through Mess. White to day. Gilbert
went to town for them at 9.30.
E. R. S. took 2 a.m. train for Bangor.
C. read to me in hall this eve.

Cambridge.

Ther THURS. NOV. 28, 1912 Wea
Winter begins(?) Snow Storm

Early morn gray & chilly. Snow began
to fall at 10.30 & continued until
4 P.M. when the ground was covered to
depth of about 2 inches & the trees loaded.
After this it grew rapidly cold & colder.

In the Garden, just after breakfast,
saw a ♂ Downy & 3 Chickadees.
Called on Blackwell, 9 a.m., & spent hour
discussing plans for his new bath room
after that wrote letters until 1 P.M.
at 1.30 C. & I sat down to dinner with
13 guests: - Will & Alice Stone, Geo. V.
Lowne, Mrs. Edward Wyman, Mrs. H. E.
Scudder, Mrs. Mansfield, Miss Jennie
& Emily Chapman, Miss Holman, Miss
Harkness, Miss Purdie, Miss Swaby &
Mrs. Hillhouse. As C. played the rest
danced a Virginia Reel after dinner.
Our maids Alpha & Doris waited on
Swedish Castles. Lowne stayed until 6.
C. read to me after supper.

Cambridge - Boston

Ther
20°

FRI. NOV. 29, 1912

Wea
Fine

Clear & cold with light W. wind.

(2) Blue jays in the Garden.

Spent day in Museum, working up to 11 A.M. on letters, after that on Scooter story.

By Robert Walcott's invitation I dined with him & F. H. Allen at Union Club at 6.30 & went with them to meeting of Travelers' Club at 8.15 to hear Stephensen lecture on his experiences in Victoria Land among the blonde Eskimos. He was most interesting & pleasing. Talked with him, with Schepfer, Dr. Meak, Bachman & others.

Got home at 12

Cambridge - Boston

Ther

SAT. NOV. 30, 1912

Wea

born? in Charles River. Fine

Clear & mild with fresh W. wind. Snow & ice all gone by sunset.

Chickadee heard & 2 jays seen in the Garden.

To Boston at 10 A.M. Spent about 2 hours in our office. Had talk with Arthur & dictated letter to my Cousin Elizabeth about turning Stor under Town Hall into Museum.

Discussed selling Appleton St. Land. Went to 20th Century Club at 12.30 & met C. Thore. After a good fellow lunch we heard Henry George on Single Tax & The Baroness von Suttner on War versus Peace.

She was fine & interesting. Room crowded. Got home at 4 P.M. In ruins off foot of Sparks St. Saw at 10 P.M. what looked like an adult brown swimming close to opposite shore.

Cambridge.

Ther SUN. DEC. 1, 1912 Wea
36° max. Fine.

Clear, calm & cool with dry air devoid of chill. A perfect day.

3 Chickadees, 1 Junco and 2 Jays seen in Garden.

Met C. at St. John's at 10.40. Walked over to Mt Auburn St. on way down hoping to see supposed Loon again but it was not visible. Yesterday it was in lumpy, wind-ruffled water close to duck castle there & hence I missed it.

Dr. Hodges preached a good sermon. Got home at 12. Miss Allyn our only guest at dinner. E. R. S.

returned from Bangor last night.

I worked a little on Hutton's book after dinner. The Melvins came at

4.30 for half an hour. E. had tea with me.

Cambridge.

Ther MON. DEC. 2, 1912 Wea
Stormy.

Forenoon cloudy. Heavy rain in late afternoon. Warm. Hard strong S.W.

Heard a Brown Creeper & Chickadee in the Garden. A Screech Owl heard there by Percy about 9 P.M.

Spent day in Museum working on Butler-bird story. C. typing in forenoon. Gilbert took the Cadillac car to Concord to show in Barrett barn for the winter.

Natural Club meeting this evening. 16 present. Annual election. Townsend made Vice President in place of T.H. Allen & John Baker Secretary & replace Glenn M. Allen. (Other in no changes. Mendocino told of trip to Labrador in 1876. I showed S. Allen

1912 & Jan 1913

Cambridge

Ther

TUES. DEC. 3, 1912

Wear
Fair

Clear, calm mild. No frost in ground. City lawns as green as in summer. Few birds.

Chickadees heard in the Garden.

Spent day in Museum working ceaselessly on Butler-Bill Story.

In forenoon finished nothing worth keeping. In afternoon wrote a log that may show, I am still rusty, written, evidently.

Noble, a writer for Boston Globe, called at 8 P.M. by appointment to interview me about my collection & work. He is an intelligent man & interesting. He stayed until 11.30. I am to see his story in M. S. before it is set up.

Cambridge.

Ther

WED. DEC. 4, 1912

Wear
Fair

Forenoon cloudy; afternoon sunny. Pleasantly cool with light westerly wind.

A Chickadee & about 12 House Sparrows the only birds noted in the Garden.

Spent day in Museum working on Butler Bill Story & making progress. It is, however, almost finished now. Miss Stinson lunched with us. She sails for England on Saturday.

Noble sent up type written copy of his article this evening. I do not like it & shall insist on many changes & clarifications. It is too personal by far, & also loosely written. E. R. S. began a new Great Story this evening. Major Hunt's niece?

Cambridge

Ther THURS. DEC. 5, 1912 Wea
Fine

Clear, calm, mild. Gnat-like
insects dancing in the sunlight. All
conditions much as in early November.

In the Garden heard a Cuckoo & a
Chickadee. Saw Sparrows & a Crow on wing.

Called on Geo. Noble at 9 a.m., taking
back his M.S. He was very good
about it and at once accepted all
the numerous changes & eliminations I
had made. We talked about an hour.
Returning I at once attacked the
Butter bird story & completed it by
writing a final page. C. worked all
forenoon typing from my M.S.

In P.M. wrote letters & cheques for
bills. E. R. S. read from the "Maze is
Mine" after dinner to night.

Cambridge - Boston.

Ther FRI. DEC. 6, 1912 Wea
68 1/2° at 2 P.M. Fine

Clear with fresh S.W. wind. Warmest
December day on record, according to
evening papers. Charfurnace-heated
houses intolerable.

Chickadee & Hairy Woodpecker heard
in the Garden.

Spent forenoon in Museum. Began
Bittern story & wrote a page of it.
Kennard interrupted me about noon to
explain his refusal of Eskrim's Orders.
He was very nice about them & insisted
on helping me out but I would not accept it.
Smith Dexter appeared at 1 & lunched
with me. We went in town together
at 2.35. I spent 2 hours at office
& had talk with Arthur about Museum
at Holford. He considered plans by
architect just sent there by me. His decision
I am to consult Arthur about it. at 5 left
office, bought Christmas card & went to
Athletic Club to drink. To meeting N.E. Bee.
Club at 8.15. Good lecture on Shell Success.
I joined in discussion

Cambridge.

Ther

SAT. DEC. 7, 1912

Wea
Dull.

Cloudy, calm, intensely chilly but not frosty.

In the Garden saw 2 Chickadees & about a dozen House Sparrows.

Spent day in Museum working on Bittern Story & writing a second page of M.S. Also wrote a few letters. Telephoned Gen. V. Loewell suggesting that he buy one of the Greenfield Eskimo Curlews \$50. to give to Mrs. Comp. Zoology. He agreed to this at once & will send his cheque to-morrow. Three 3 of the 5 birds are disposed of. Wrote Kennard offering him his pick of remaining two for \$25. Both are in poor condition & not worth more than that. E. R. S. read "Major's Nine" this eve. Walter A. called at 9.30 a Mr.

Cambridge

Ther

SUN. DEC. 8, 1912

Wea

Hudsonian Chickadee. Fair

Forenoon sunny; afternoon cloudy. Harsh northerly wind. Ground frozen at sunrise.

In Garden saw a Hudsonian Chickadee & 2 Black Cap Chickadees, a Blue Jay & a Crow; heard a Flicker calling.

I was writing in Museum at 10.20 when the chick, chee-die, die call of the Hudsonian came faintly to my ears. Rushing out I heard them again in jungle where I soon found the bird in a small white pine & watched it for 5 minutes, standing within 6 ft. of it. It was a beauty in fresh perfect plumage. 2 Black Caps were near it. I left it to start for St. Johns at 10.28. Dr. Hodge preached a good sermon. Miss Allen dined with us. F. H. Manning came over for supper at 6.30 & stayed until 9.30. At 5 I went to the airport to consult the fledge about taking money for Museum at Wolfboro Lake Hall.

Cambridge - to ocean.

Ther 10° MON. DEC. 9, 1912 Wea
Windy again Fin

Clear & Cold with strong, raw
northerly wind.

In Garden saw 2 Chickadees,
3 juncos, 2 jays & a Hairy W.

Spent forenoon in Museum
working at Umbagog M.S. but
completing nothing new. C. typing
in big room. To Boston at 2.
Put 7 Hts. Oct. 8th. & 11 Hts. Am.
Tel & Tel in my Safety Box. Gave
duplicate Key of it to Galloupe.
Talked an hour with Arthur about
Wolfeboro matters. Decided to take
estate inventory moving to install
newest collection probably in three
columns. Arthur agrees to care for
it. I will do his own expenses.
Delayed letter to Cousin Elizabeth
also memorandum of talk with
her yesterday. Home by 5.30.

Cambridge

Ther TUES. DEC. 10, 1912 Wea

Clear with fresh N.W. wind.
A raw, blustering day but cold,
however than yesterday.

In Garden saw only a few H. Sparrows
& a Chickadee feeding at fruit. Heard
a Downy Woodpecker call repeatedly.

Spent day in Museum. Worked
most of forenoon on Belton Story,
writing 2 pp. Harry B. Bailey
appeared unexpectedly at 12.45.
Although he would not join us at
luncheon he stayed over two hours
& we had a good talk. He is as much
interested in birds and eggs as ever.
Outram Bangs came at 2.30 &
stayed an hour. He took off his
Esthonia cap and one for M.C.Z. the
other he has made over for me.
C. & Z. R.S. reads about in hall that we
3 have a mean cold coming on

Cambridge.

Ther
42°

WED. DEC. 11, 1912

Wea
Dull

Cloudy & chilly but not cold.
Frost mostly out of ground by night.
Noted no birds save House Sparrows
and one Blue Jay.

In the Museum all day working
stability of the Billerica story &
adding Advance House Sparrows to it.
As far as I now see it is
finished, but I cannot be sure without
again going through my notes.

I had intended to go on
work this afternoon but was
prevented by the bronchial cold
which attacked me yesterday
and is now, I trust, at its
worst. In the evening C. read
aloud from the Transcript & E. R. S.
from "The Major's Niece", finishing it.

Cambridge

Ther
20° to 28°

THURS. DEC. 12, 1912

Wea
Fine

Clear & cold with blustering N.W.
wind.

A solitary Chickadee that came to the
suet by the Museum windows & offered
House Sparrows flitting about the
Garden, were the only birds I noticed.

Spent entire day writing letters
and cheques for bills which continue
to press in & threaten to swamp me
financially. A ghastly one came from
T. C. Whitcomb this morning.
C. worked in the Museum all the
forenoon on the Billerica M.S.
Copying his H. It really seems
finished & I shall take up another
bird to nearest E. R. S. ready to run
this evening from a new book, "Solages
Banks". C. was tired and did not
come down.

Cambridge.

Ther FRI. DEC. 13, 1912 Wea
Fin

Clear & Cold with N. W. wind.
A little snow that fell two
nights ago still whitens the
hard frozen ground in places.
It seems as if winter had now
fairly set in although not as
yet with much severity.

Heard a Chickadee & a Downy
and saw a Blue Jay & several
House Sparrows, all in the
Garden.

Spent day in Museum working
at Umbagog Lake. It went fairly
well for I wrote 4 m.s. pages dealing
with the Egret, Green Heron & Night Heron.
Yet I was half sick with my cold
which seems to get more daily. C. also
is down with it. E. & R. S. read "Hallow's"
this eve. Sent post to Mrs. J. in P. M.

Cambridge.

Ther SAT. DEC. 14, 1912 Wea
Dull.

Cloudy, cold, chilly.

No native bird of any kind seen
or heard in the Garden to-day.

Worked all day in Museum on
Umbagog Lake. After revising
and finally rewriting the Night Heron
story composed yesterday I wrote
almost three pages on the Virginia
and Sora Rails, finishing the
former bird. My cold continues
worsening & it seems to be assuming
a "griping" character. Oddly enough
it does not seem to interfere with
my writing but rather to facilitate it
although my head aches horribly &
is full of buzzing sounds. C. is
still a victim of rheumatic pain.
E. & R. S. went to see from Ballaghy this
evening on a good story.

Cambridge

Ther SUN. DEC. 15, 1912 Wea
Time

Clear, Calm, Mild. Snow all
gone & things wearing an autumnal
look again. Grass no longer green,
however.

Saw a Chickadee & a Blue Jay &
heard a Crow, in the Garden.

Spent entire day in Museum.
C. had a lot of people at dinner
& so saw me & mine by the month
because I did not want to have
to talk my bronchial cough being
very troublesome. I spent most of
forenoon working on Sora Rail
story writing two pages. Went
down cellar in P. M. In the
evening E. R. S. read to me from
"Ballads". C. up in her "jazz room".

Cambridge.

Ther MON. DEC. 16, 1912 Wea
Time

Clear, calm, mild, a duplicate
in fact of yesterday.

Saw a Chickadee at the Suet and
heard a Flicker calling in the jungle.
Even House Sparrows are getting scarce
about the place. Nor do we see much
of the Squirrels. All animal life seems
now at about its lowest ebb as it is
after the case here this month.

Worked all day in Museum.
Finished with the Sora Rail & started
on the Great Blue Heron writing three
pages in spite of constant interruptions
because Gilbert was at work on
a lot of Mr. Harting's books. I spent
fully two hours with it myself.
The Nuttall Club met this evening
but I attended only a Council meeting
just before it at which we elected three
new members. My cold is getting off
but I cannot talk much yet.

Cambridge
Parus hudsonicus revisited Garden.
Ther TUES. DEC. 17, 1912
36° moy.

Wea
Fine

Clear & cool with harsh N.W. winds

The Hudsonian Chickadee reappeared
in our Garden at 2.30 P.M. As I was
writing at my desk in Museum I heard
his chee-dee, dee, apparently just outside
my window. I thought he must be at the
suet hanging within a yard of it but failed
to get sight of him until I approached it
from outside when I saw him within six
feet of me & not two feet from the suet.
He seemed disturbed by my presence & soon
flew away. I know not where. Nor do
I know if he partook of the suet. There
was a Black-capped Chickadee at it just
after breakfast & 3 Jays together then
in the jungle.

Spirit day in Museum looking
mostly on Great Blue Heron Story &
adding 2 pp. A Globe Newspaper man
came in P.M. to photograph me, the
Museum & some birds for hotel catalog in
his paper. E. made collage that even-

Cambridge
Parus hudsonicus appears for third time
Ther WED. DEC. 18, 1912 Wea
We Dine at Batchelder's. Dull

Cloudy & cool with drizzling rain.

Heard the Hudsonian Chickadee in
Garden about 2 P.M. It was the only
native bird noted there.

Spirit day in Museum. Wrote letters,
marked Christmas packages and
added almost 3 pp. to Great Blue Heron
Story. I seem to have got into a
 vein of comparatively easy & fluent
composition at last.

Soon after sitting down with G. & E.
at our table at 7 P.M. I was called to
the telephone by Batchelder who asked
if I was not coming to the "We Dine"
at his house which I had then forgotten.
Dressing hastily I got there about 20 min
later. We had very good brot. Bant,
Barbour & Thompson. Good good, a
fine bird. Much English talk

Cambridge

Ther THURS. DEC. 19, 1912 Wea
Dan French arrives Stormy

Raining whole forenoon & part of afternoon, at times heavily. Sky cleared before sunset & weather changed to cold.

A Crow seen on wing & a Blue Jay heard screaming were the only native birds noted in the Garden.

Spent day in Museum working on Hixon story. It was not much added to for I had to remove some of the matter & this regrett the recasting of part of it.

D. C. French arrived at 9.25 P.M. to spend the night. I sent Gilbert in to meet him not daring to go myself because of a bad bronchial cough. We had a good talk sitting up until 11.30.

Cambridge.

Ther FRI. DEC. 20, 1912 Wea
Fair.

Partly Sunny; partly cloudy. Very chilly. Grass looking fresh & green again. No snow on ice. Charles River wholly open.

A Crow, a Blue Jay, (3) Downy W's and 2 Chickadees in the Garden. (Gilbert saw the 3 Downies & a Brown Creeper)

We had Dan at breakfast & for half an hour later when he left to return to Boston & New York. I escorted him to the car of course. He seems very well, bright & happy. Returning to Museum I put in remainder of day on Hixson's tale adding 2 pp. to Great Blue Heron story. C. read to me from 7.30 to 9.30. P. & L. going home to the Bee.

Cambridge - Boston

Ther

SAT. DEC. 21, 1912

Wea
Fm.

Sunny, calm, frosty but not very cold.

In the Garden saw only a Chickadee.

To Boston at 10.30 a.m. Went straight to our office. Talked with Arthur & Sted Buttrick about arranging for Newell Collection at Wolfboro. Signed all our quarterly disbursement cheques which Arthur had already signed. They will not be mailed until the 30th.

Bought arake at Trinn's for May C. Trinn's St. packed with people. Solid line of folks selling toys extending from Peirce's to Park St. Got home at 3.30 & looked over house on Hiram story. C. & I. went around after dinner.

Cambridge.

Ther

SUN. DEC. 22, 1912

Wea
Fm

Clear, calm, cool but not frosty. Altogether antumnal weather such as we expect in November but not more.

No birds except a few House Sparrows seen about the place.

Met C. at St. Johns at 10.15. Dr. Hodges presented, who had seemed to me a great person.

We had no great discussion, met Mrs. Allen who is in New York. I wrote letters before & after it - a long one to Ruthven Dean.

C. & E. R. S. went in Boston for the Prayers this evening. I spent it with Mr. & Mrs. Almy at their house.

Cambridge

Flock of 8+ Tree Sparrows & Phidippus
 Ther MON. DEC. 23, 1912 Wea
 We open Christmas presents. Time

Clear & cool with light northerly wind.

In the Garden saw a Hudsonian & a
 Black-cape Chickadee, a flock of about
 (8) Tree Sparrows, (3) Juncos, (3) Crows,
 2 Jays & a ♂ Downy inside House Sparrows.

I heard the tinkling notes of Tree
 Sparrows as soon as I opened our back
 door just after breakfast. They were
 on the ground about the fence in front
 of Museum mingling with House Sparrows.
 I saw at least 8 & think there were
 several more. They scattered when they were
 shortly after this I saw 2, feeding with
 3 Juncos near the Sun dish. It has
 been very many years since I have
 seen so large a number of Tree Sparrows here.
 The Hudsonian Chickadee was about
 & feeding through flocks at 9.30.
 It was rather shy & did not come near
 since I first noted it on the 8th. Thus
 for I have heard only the usual notes.

Spent day in Museum. C. began
 trying my M.S. again & did 4th
 impression. I revealed them before
 got ahead of her. In P.M. I wrote
 a post card for Grand John Harris.
 C. & R. & I opened our Christmas
 presents this evening in the morning here.
 We had lots of them as usual.

Cambridge - New York

Ther TUES. DEC. 24, 1912 Wea
 Snow Storm. Stormy

Rather heavy N.E. snow storm. It began
 about day break in Cambridge & was over
 when we reached New Haven at 3 P.M. Then
 & beyond the snow lay 8 or 10 inches deep.
 Henry Henshaw was joined at in New York
 reports a heavy snow storm at Washington
 when he left there this morning.

C. Miss Swasey & I took 10 a.m. train
 our Shore Line to N.Y. arriving an hour
 late at 4.10 P.M. Walked to Mulvey Hall
 where we were given our old rooms, 225
 & 227. Henry's arrival a little late was a
 great surprise to me although C. expected
 & had indeed prearranged a. C. & Miss
 Swasey walked down to Madison Square
 to see a big Christmas tree erected there.

We all dined together at 7 & sat in
 hall listening to 4 female orchestra women
 until 9. Henry & I talked there until 10.

New York

Ther WED. DEC. 25, 1912 Wea
Fine

Clear, calm mild. $11\frac{1}{2}$ inches
of snow fell here yesterday. Some of
it melted to day & much has been
crushed off but the streets are still
faded. Night with ice in places & the
"going" is very bad.

We all had breakfast together
at 8. C. & Miss Sweeney went off
to church at 9. Henry & I talked
until 11 & then started out for
a walk. Ascent Grand Central
Station (now one nearly finished) &
Belmont & in each station. Halted.
Walked about river along 5th Ave.
We all met together at 1.

Betty & Sweeney came at 4 & dined
with us at 7. We sat talking &
listening to records in afternoon
until 12.30 when G. & E. started for home.
Henry & I sat up until 10.30 talking.

New York - Cambridge.

Starlings &
Ther THURS. DEC. 26, 1912 Wea
Great Blue Heron in Conn. Fine.

Clear, calm, mild. Snow wasting fast
& some bare ground showing in late P.M.

Henry & I breakfasted together at 6.30.
He started for Washington at 8.05, C.
Miss Sweeney & I for Boston at 10.
Saw 3 rather large flocks of Starling
between Stamford & Bridgeport, Conn.
flying over salt marshes. One flock of 50+
seemed to consist wholly of black ♂♂,
another of about 30 of brown birds.
As we neared Fairfield, Conn. (about 2
miles west of station) a Great Blue Heron
rose from the edge of a tidal creek
not 25 yards from the bar windows
through which I was looking. As he
spread his broad wings he looked like
a giant bird. In the Bay Bridge marshes I
saw a Meadow Lark & about a dozen
Crows on snow covered ice. Chestnut-
about one of these numbers, feeding at him
& working him. He seemed to be hurt
in some way. We reached Boston at 3.
I came out in Betty's car, C. & Sweeney
in a limousine.

Cambridge.

Ther FRI. DEC. 27, 1912 Wea
Stormy

Raining steadily from early morning well into the night. A dark, cheerless, chilly & altogether very dismal day.

Heard Crows cawing at daybreak & saw a few Sparrows in the Garden.

Spent day in Museum working on Great Blue Heron story & adding to it two pp. of fresh manuscript.

E. had a bad headache & kept up stairs all day. She sent for Mrs. Almy who came in to assist with me. E. R.S. lunched in town.

Walter Deane called on E. R.S. & stayed about an hour talking. E. R.S. read aloud to me in the hall after dinner. He has finished Lallage & begun to work by Crows Song.

Cambridge - Boston

Ther. SAT. DEC. 28, 1912 Wea
Visit Alva Cookidge in Boston. Fine

Clear & Cool with fresh N.W. wind

Saw a Jay & House Sparrow in the Garden. Heard a Downy just across street in Hubbard Park. More than 1000 Gulls in sight on ice from Harvard Bridge.

Spent forenoon working on Heron story. Finished it at evening after returning from Boston. Went to Boston, via Dudley Street, after lunch to see Alva Cookidge in City Hospital. He has been there with heart trouble since Dec. 4. He received me in his room, sitting up & attended in a dressing gown. He looked old & haggard but seemed cheerful enough. We had a good talk. He says Blodell Ducks & Herons are as numerous as ever in the College & that there was a heron behind the walls.

many water
new birds
top of pond
Pt. Loring
Pine Island
Spring

Cambridge

SUN. DEC. 29, 1912

W.ea

7 June

Clear & Cool with fresh N. wind.

In the Garden I saw two
Juncos & a Blue Jay and
heard a Flicker & a Downy.

The Gray Squirrels have been
strangely lacking of late. I have
seen almost nothing of them for
a week or two.

Spent day in Museum. wrote letters
in A.M. and copied garden bird
notes from diary into larger book
in P.M. C. went to early church
service & retired to her couch as
soon as she got back, being very tired.
Harry & May called at 3.30 P.M.

Received at breakfast time through Barbara by telephone an invitation from Theodor Roosevelt to spend tomorrow with him in Boston. I declined it because I did not care to miss an

Cambridge

Ther

50.

MON. DEC. 30, 1912

Wea

Stormy

A dark lowering day with rain falling ceaselessly, & at times very heavily, taking off most of the snow before night. The streets & sidewalks have been icy & more or less dangerous for several days.

Two Jays screaming in the
trees & a Crow perched in the
hickories were the only native birds
noticed about our place.

C. came over to Museum this morning & copied 4 pp. of my Heron story, now finished. I wrote a page on the Ants before dinner & another on Phalaropes after it. Came in to G's reading class at 5 P.M. C. & E. read aloud in hall this evening.

Cambridge.

Ther 40° TUES. DEC. 31, 1912 Wea
Faint hudsonian green time

Brilliantly clear with little wind.
Lawns wholly free from snow
again & showing pale green, that in
Garden uniform & rather rich green.

Hudsonia lit in Garden most
of forenoon. I heard him twice
just outside my study window
& once saw him fly from a twig
within a yard of it & not more
than two inches from a lump of snow
hanging there. He seemed to avoid
3 chickadees flitting about at same
time. Heard also a Flicker & a Downy.

Spent entire day working on
Red Phalarope story, adding to it
4 pp. & almost finishing it.

C. & E. R. S. read to me from 8. 30.
At 10 P.M. they started for Boston
in Irving's car, anxious to be in
New York at St. Pauls. I seem to
have a graphy cold started as usual.

Christmas Presents
to

MEMORANDA

C. F. B.

E. R. S.

E. W. F.

Mrs. Cobb

Mrs. Almy

Mary "

Helen "

Anna "

Betty "

Walter D.

Margie "

Ruthanne "

Billy Stone

Alida "

Miss Allyn

Fanny Randall

May Cunningham

Dr. Coolidge

H. W. Henshaw

E. W. Nelson

The Bensons

Mrs. & Mrs. James

F. M. Chapman

D. C. Fierch.

Christmas Cards
to

MEMORANDA

J. A. Harmon Dixon.

Dr. & Mrs. S. M. Allen

A. K. Fisher

Mrs. & Mrs. L. A. Fierste

Dr. & Mrs. Gehring

Dr. S. M. Dixon

Albert B. Case.

MEMORANDA

✓ Birds noted in our Garden.

CASH ACCOUNT. JANUARY.

Date.	Received.	Paid.
✓ 1. <u>Parus atri.</u>	1' 6' 10' 12' 14' 15' 16' 22'	
✓ 2. <u>Dryobates pub.</u>	12 6 ^{hd} 13 ^{hd} 14 ^{hd} 16 ^{hd}	
✓ 3. <u>Colaptes</u>	1' 6 ^{hd} 9 ^{hd} 10' 11 ^{hd} 12'	
✓ 4. <u>Corvus</u>	1' 5' 6 ^{hd} 13' 14' 17'	
✓ 5. <u>Cyanocitta</u>	1 ^{hd} 6 ^{hd} 7 ^{hd} 8 ^{hd} 9 ^{hd} 10' 11'	
6. <u>Passer dom.</u>	1, 5, 7, 9, 10, 11, 12	
✓ 7. <u>Carpodacus pur.</u>	13 ^{hd} 14 ^{hd} 15 ^{hd} 16 ^{hd} 17 ^{hd} 18 ^{hd} 19 ^{hd} 20 ^{hd} 21 ^{hd} 22 ^{hd} 23 ^{hd} 24 ^{hd} 25 ^{hd} 26 ^{hd} 27 ^{hd} 28 ^{hd} 29 ^{hd} 30 ^{hd} 31 ^{hd}	
✓ 8. <u>Regulus satrapa</u>	19 ^{hd} 21 ^{hd}	

CASH ACCOUNT. JANUARY.

Date.	Received.	Paid.
23 ^{hd} 26'		
18 ^{hd} 20 ^{hd} 22 ^{hd} 26 ^{hd}		
13 ^{hd} 14' 17 ^{hd} 23 ^{hd}		
18 ^{hd} 19 ^{hd} 20 ^{hd} 21 ^{hd} 22 ^{hd} 23 ^{hd} 24 ^{hd} 25 ^{hd} 26 ^{hd} 27 ^{hd}		
12' 14' 16 ^{hd} 18 ^{hd} 19 ^{hd} 20' 21 ^{hd} 22 ^{hd} 24 ^{hd} 25 ^{hd} 30 ^{hd}		
13 ^{hd} 14 ^{hd} 15 ^{hd} 16 ^{hd} 17 ^{hd} 18 ^{hd} 19 ^{hd} 20 ^{hd} 21 ^{hd} 22 ^{hd} 23 ^{hd} 24 ^{hd}		
14 ^{hd} 15 ^{hd} 16 ^{hd} 17 ^{hd} 18 ^{hd} 19 ^{hd} 20 ^{hd} 21 ^{hd} 22 ^{hd} 23 ^{hd} 24 ^{hd} 25 ^{hd} 26 ^{hd} 27 ^{hd} 28 ^{hd} 29 ^{hd} 30 ^{hd} 31 ^{hd}		
21 ^{hd} 23 ^{hd}		

1. Birds noted in our Garden

CASH ACCOUNT. FEBRUARY.

Date.	Received.	Paid.
✓ 1 <u>Junco hyemalis</u> 1 ♀		
✓ 2 <u>Spinus tristis</u> 1'		
✓ 3 <u>Dryobates pub.</u> 1' 3' 9 ^h 15' 16' ② 17 ^h		
✓ 4 <u>Cyanocitta cris.</u> 1' 2' 3' 4' 5' 2' 13' ③		
5 <u>Passer dom</u> 1' 2' 3' 4' 5' 10' 8' 10' 9' 10' 4'		
✓ 6 <u>Parus atr.</u> 2' ^{at} _{tree} 4' 13 ^h 15 ^h 16'		
✓ 7 <u>Corvus am.</u> 5 ^h 6 ^h 8 ^h 10' ② 11' ②		
✓ 8 <u>Regulus sat.</u> 8 ^h 15 ^h 17 ^h		
✓ 9 <u>Certhia am</u> 15 ^h ^{head} _{tree} ^{tree} _{tree}		
✓ 10 <u>Carpodacus</u> (2) 29' ③ gray birds		

CASH ACCOUNT. FEBRUARY.

Date.	Received.	Paid.
18' 21' 22' 26 ^h 29 ^h		
17' 18' 20' 21' 25 ^h 26 ^h 27 ^h 28' 29 ^h		
11' 12' 13' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29'		
17' 21' 22' 23' 25' 24' 25'		
14 ^h 15 ^h 17' 21' 25' 26 ^h 27 ^h		

seen in Parkways apple & cherry trees
is nearly dead they have Purple & red

✓ Birds noted in our Garden

CASH ACCOUNT. MARCH.

Date.	Received.	Paid.
✓ 1. <u>Parus atr.</u>	1' 2' 4' 9' 10' 11'	
✓ 2. <u>Cyanocitta</u>	1' 3' 4' 5' 6' 7' 8' 9' 12'	
3. <u>Tassan don.</u>	1' 4' 5' 6' 7' 11' 12'	
✓ 4. <u>Corvus am.</u>	3' 4' 5' 9' 10' 11' 12'	
✓ 5. <u>Carpodacus</u>	5' 7' 9' 10' 11' 12'	
✓ 6. <u>Dryobates pal.</u>	6' 11' 14' 18' 25'	
✓ 7. <u>Megascops</u>	7' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2'	
✓ 8. <u>Regulus sat.</u>	7' 1/2'	
✓ 9. <u>Colaptes aur.</u>	8' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2'	
✓ 10. <u>Falco sparverius</u>	13' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2'	
✓ 11. <u>Junco oreganus</u>	20' 22' 23' 25'	
✓ 12. <u>Passerella</u>	23' 24' 25' 26' 27'	
✓ 13. <u>Acantthis lin.</u>	24' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2'	
✓ 14. <u>Spizella monticola</u>	26'	
✓ 15. <u>Murela nig.</u>	30' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2'	
✓ 16. <u>Falco sp.</u>	30' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2'	

CASH ACCOUNT. MARCH.

Date	Received.	Paid.
14' 19' 20' 30'	27' 28' 30'	
13' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26'		
17' 18' 20' 21' 23' 24' 25' 26' 27' 28'		
12' 16' 17' 18' 19' 20' 25' 26' 27' 30'		
8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19'		
20' 22' 23'		
17' 18' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'		
18' 24' 27' 30'		
30' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2' 1/2'		
24' 25' 26' 27' 28' 30'		
27' 28' 29' 30'		

Birds noted in our Garden.

CASH ACCOUNT. APRIL.

Date.		Received	Paid.
✓ 1.	<u>Murala nig.</u>	10 ² / ₅ 12 ² / ₅ 13 ² / ₅	22 ² / ₅ 28 ² / ₅ 23 ² / ₅
✓ 2.	<u>Passerella</u>	10 ⁴ / ₅ 11 ⁴ / ₅ 13 ² / ₅	
✓ 3.	<u>Leiscales a.</u>	10 ⁴ / ₅ 12 ⁸ / ₅ 13 ¹² / ₅	22 ⁵ / ₅
✓ 4.	<u>Cyanocitta</u>	10 ¹ / ₅ 13 ¹ / ₅ 22 ¹ / ₅ 23 ¹ / ₅	
✓ 5.	<u>Colaptes</u>	13 ¹ / ₅	
✓ 6.	<u>Dry. pubescens</u>	13 ¹ / ₅	
✓ 7.	<u>Sparnas tristis</u>	13 ³ / ₅ in. dull	
✓ 8.	<u>Regulus calendula</u>	22 ² / ₅ 23 ² / ₅	

CASH ACCOUNT. APRIL.

Birds noted in our Garden

CASH ACCOUNT. MAY.

Date	Received.	Paid.
✓ 1	<u>Merula</u> 13 ♀ calling and with 27 ^{1/2} 28 ^{1/2}	
✓ 2	<u>Vireo ol.</u> 13 ♀ calling as 27 ^{1/2} 30 ^{1/2}	
✓ 3	<u>Cyanocitta</u> 13 ♀ in house 27 ^{1/2} do.	
✓ 4	<u>Anthrocterus borealis</u> May 19 ^{1/2} heard	
✓ 5	<u>Turdus swainsoni</u> 27 ^{1/2} singing rather	
✓ 6	<u>Dendroica castanea</u> 27 ^{1/2} Haysden ♂	
✓ 7	<u>Icterus galbula</u> 27 ^{1/2} in distance woods	
✓ 8	<u>Chondestes pelagicus</u> 27 ^{1/2} ✓	

CASH ACCOUNT. MAY.

Date.	Received.	Paid.
at 7, 10 P.M. singing in Garden, by Walter Deane		
28 ^{1/2} early		
singing freely all day at first in tops of Conifers,		
later in juniper common (Vary - vary - too early at times)		
in Dodge place. 28 ^{1/2} early		

Birds noted in our Garden

CASH ACCOUNT. JUNE.

Date.		Received.	Paid.
✓ 1	<u>Merula mig</u>	7 ¹ / ₂ 17 ³ / ₄	20 ³ / ₄
✓ 2	<u>Tris olivacea</u>	7 ¹ / ₂ 20 ³ / ₄	
✓ 3	<u>Hydromus ludovicianus</u>	7 ¹ / ₂ 11.30 a.m.	
✓ 4	<u>Cyanocitta cristata</u>	7 ¹ / ₂ 17 ¹ / ₂	
✓ 5	<u>Chaetura pelagica</u>	7 ¹ / ₂ 2 ¹ / ₂	
6	<u>Passer domesticus</u>	7 ¹ / ₂	

CASH ACCOUNT. JUNE.

Birds noted in our Garden.

CASH ACCOUNT. JULY.

Date.	Received.	Paid.
✓ 1. <i>Merula my</i> 1' 2' 3' 4' 5' 6' 7' 8' 9' 10'		
✓ 2. <i>Spinus tristis</i> 1' 2' 3' 4' 5' 6' 7' 8' 9'		
✓ 3. <i>Cyanocitta</i> 1' 2' 3' 4' 5' 6' 7' 8' 9' 10'		
✓ 4. <i>Junco calus</i> 1' 2' 3' 4' 5' 6' 7' 8' 9' 10'		
✓ 5. <i>Passer</i> 1' 2' 3' 4' 5' 6' 7' 8' 9' 10'		
✓ 6. <i>Vireo ol.</i> 2' 3' 4' 5' 6' 7' 8' 9' 10' 11'		
✓ 7. <i>Tyrannus</i> 2' 3' 4' 5' 6' 7' 8' 9' 10' 11'		
✓ 8. <i>Colaptes</i> 2' 3' 4' 5' 6' 7' 8' 9' 10' 11'		
✓ 9. <i>Chondestes</i> 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12'		
✓ 10. <i>Megascops</i> 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12'		
✓ 11. <i>Sitta carolinensis</i> 5'		
✓ 12. <i>Vireo gilvus</i> 16' 18' 20' 22' 24' 26' 28' 30' 32' 34' 36' 38' 40' 42' 44' 46' 48' 50' 52' 54' 56' 58' 60'		
✓ 13. <i>Hydromela ludovic.</i> 20' 22' 24' 26' 28' 30' 32' 34' 36' 38' 40' 42' 44' 46' 48' 50' 52' 54' 56' 58' 60'		
✓ 14. <i>Trochilus</i> 23' 25' 27' 29' 31' 33' 35' 37' 39' 41' 43' 45' 47' 49' 51' 53' 55' 57' 59' 61' 63' 65' 67' 69' 71' 73' 75' 77' 79' 81' 83' 85' 87' 89' 91' 93' 95' 97' 99' 100'		
✓ 15. <i>Dolichonyx</i> 23' 25' 27' 29' 31' 33' 35' 37' 39' 41' 43' 45' 47' 49' 51' 53' 55' 57' 59' 61' 63' 65' 67' 69' 71' 73' 75' 77' 79' 81' 83' 85' 87' 89' 91' 93' 95' 97' 99' 100'		

CASH ACCOUNT. JULY.

Date.	Received.	Paid.
11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
22' 23' 24' 25' 26' 27' 28' 29' 30' 31'		
23' 24' 25' 26' 27' 28' 29' 30' 31'		
24' 25' 26' 27' 28' 29' 30' 31'		
25' 26' 27' 28' 29' 30' 31'		
26' 27' 28' 29' 30' 31'		
27' 28' 29' 30' 31'		
28' 29' 30' 31'		
29' 30' 31'		
30' 31'		
31'		

CASH ACCOUNT. AUGUST.

CASH ACCOUNT. AUGUST.

Date. Received. Paid. 30'

9' 1/2 do 10' 12' 1/2 at 13' 1/2 early 14' 1/2 early 15' 1/2 do
16' 1/2 early 19' 1/2 do 20' 21' 22' 23' 24' 25' 27' 28' 29' 30'
10' 12' 14' 15' 16' 17' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
21' 22' 23' 24' 25' 26' 27' 28' 29' 30'
22' 23' 24' 25' 26' 27' 28' 29' 30'
23' 24' 25' 26' 27' 28' 29' 30'
24' 25' 26' 27' 28' 29' 30'
25' 26' 27' 28' 29' 30'
26' 27' 28' 29' 30'
27' 28' 29' 30'
28' 29' 30'
29' 30'

CASH ACCOUNT. SEPTEMBER.

Birds in our Garden

CASH ACCOUNT. SEPTEMBER.

Date:	Received.	Paid.
✓ 1 <u>Merula</u> 23 ⁽⁵⁾ 30 ³		
✓ 2 <u>D. striata</u> 23 ⁵ 30 ⁶		
✓ 3 <u>Sinus nov</u> 23' 30'		
✓ 4 <u>Cyanocitta</u> 23' 30'		
✓ 5 <u>Tamus alii</u> 23 ^{hi.}		
✓ 6 <u>Cowens am.</u> 23 ¹²		
✓ 7 <u>Megascops</u> 23 ^{halibut 2} 24 ^{do} 25 ^{do} 26 ^{do}		
✓ 8 <u>Turdus swainsoni</u> 30' typical - <u>Tamus</u>		
✓ 9 " <u>bicknelli</u> 30' typical very small, as <u>Tamus</u> as a <u>Chiffy</u> .		
✓ 10 <u>Anthus hienoidis</u> 30' in <u>Shadash</u> <u>hien</u> by <u>Museum</u> .		
✓ 11 <u>Comp. ans. usna</u> 30 ⁴ just in <u>hien</u> from		
✓ 12 <u>Spiraea tristis</u> 30 ² on <u>supple</u> <u>tree</u>		
✓ 13 <u>Zon. albicollis</u> 30 ⁵		
✓ 14 <u>Tunco hy.</u> 30 ^{Hand, Hurlberg, several}		

Birds noted in our Garden.

CASH ACCOUNT. OCTOBER.

Date.		Received.	Paid.
✓ 1	<u>Marula</u> mig. 8'		
✓ 2	<u>Dend. coronata</u> 8'		
✓ 3	<u>Juvco</u> 8'		
✓ 4	<u>Tonotrichia</u> al. 8.5'		
✓ 5	<u>Spizella</u> <u>tristis</u> 8.25'		
✓ 6	<u>Cyanocitta</u> 8'		
✓ 7	<u>Colaptes</u> 8'		

CASH ACCOUNT. OCTOBER

[illegible]

Birds in our Garden

CASH ACCOUNT. NOVEMBER.

Date	Received.	Paid.
✓ 1 Chickadee 3 ⁽³⁾ 4 ⁽³⁾ 5 ⁽³⁾ 6 ⁽³⁾ 7 ⁽⁴⁾ 8 ⁽⁴⁾ 9 ⁽⁴⁾		
✓ 2 Blue Jay 3 ⁽¹⁾ 4 ⁽²⁾ 5 ⁽²⁾ 6 ⁽²⁾ 7 ⁽²⁾ 8 ⁽²⁾ 9 ⁽²⁾		
✓ 3 Min. W. Sparrow 4 ⁽¹⁾ 5 ⁽¹⁾ 7 ⁽¹⁾ 9 ⁽¹⁾ 10 ⁽¹⁾		
✓ 4 Ind. Sparrow 4 ⁽¹⁾ 5 ⁽³⁾ 6 ⁽³⁾ 7 ⁽³⁾ 9 ⁽³⁾ 11 ⁽³⁾		
✓ 5 Fox Sparrow 5 ⁽¹⁾ 9 ⁽¹⁾ 10 ⁽¹⁾ 20 ⁽¹⁾ 21 ⁽¹⁾ 23 ⁽¹⁾		
✓ 6 Junco 5 ⁽¹⁾ 6 ⁽¹⁰⁾ 7 ⁽¹⁾ 8 ⁽⁴⁾ 9 ⁽³⁾ 10 ⁽³⁾		
✓ 7 Flicker 5 ⁽¹⁾ 6 ⁽¹⁾ 11 ⁽¹⁾ 23 ⁽¹⁾ 27 ⁽¹⁾		
✓ 8 Downy 5 ⁽¹⁾ 6 ⁽³⁾ 7 ⁽³⁾ 8 ⁽¹⁾ 9 ⁽¹⁾ 10 ⁽¹⁾ 22 ⁽¹⁾ 23 ⁽¹⁾ 28 ⁽¹⁾		
✓ 9 Br. Creeper 5 ⁽¹⁾ 6 ⁽¹⁾ 7 ⁽¹⁾ 22 ⁽¹⁾ 27 ⁽¹⁾ ^{near tree}		
10 House Sparrow 5 ⁽¹²⁾ 6 ⁽⁸⁾ 7 ⁽³⁰⁾ 8 ⁽¹²⁾ 9 ⁽¹²⁾ 21 ⁽¹⁰⁾ 22 ⁽¹⁰⁾ 23 ⁽¹²⁾ 24 ⁽¹²⁾ 25 ⁽¹²⁾ 26 ⁽¹⁰⁾ 27 ⁽¹⁵⁾ 28 ⁽⁶⁾		
✓ 11 Hairy W. [5 ⁽¹⁾ in maple downy 6 ⁽¹⁾ in oak 7 ⁽¹⁾ do.]		
✓ 12 Red-bellied Nuthatch 6 ⁽¹⁾ 7 ⁽¹⁾ 8 ⁽¹⁾ 9 ⁽¹⁾ 10 ⁽¹⁾ 11 ⁽¹⁾ 12 ⁽¹⁾ 13 ⁽¹⁾ 14 ⁽¹⁾ 15 ⁽¹⁾ 16 ⁽¹⁾ 17 ⁽¹⁾ 18 ⁽¹⁾ 19 ⁽¹⁾ 20 ⁽¹⁾ 21 ⁽¹⁾ 22 ⁽¹⁾ 23 ⁽¹⁾ 24 ⁽¹⁾ 25 ⁽¹⁾ 26 ⁽¹⁾ 27 ⁽¹⁾ 28 ⁽¹⁾ 29 ⁽¹⁾ 30 ⁽¹⁾		
✓ 13 Hermit Thrush 6 ⁽²⁾ 7 ⁽¹⁾ 8 ⁽¹⁾ 9 ⁽¹⁾ 10 ⁽¹⁾ 11 ⁽¹⁾ 12 ⁽¹⁾ 13 ⁽¹⁾ 14 ⁽¹⁾ 15 ⁽¹⁾ 16 ⁽¹⁾ 17 ⁽¹⁾ 18 ⁽¹⁾ 19 ⁽¹⁾ 20 ⁽¹⁾ 21 ⁽¹⁾ 22 ⁽¹⁾ 23 ⁽¹⁾ 24 ⁽¹⁾ 25 ⁽¹⁾ 26 ⁽¹⁾ 27 ⁽¹⁾ 28 ⁽¹⁾ 29 ⁽¹⁾ 30 ⁽¹⁾		
14 Scarlet Tanager 7 ⁽¹⁾ 8 ⁽¹⁾ 9 ⁽¹⁾ 10 ⁽¹⁾ 11 ⁽¹⁾ 12 ⁽¹⁾ 13 ⁽¹⁾ 14 ⁽¹⁾ 15 ⁽¹⁾ 16 ⁽¹⁾ 17 ⁽¹⁾ 18 ⁽¹⁾ 19 ⁽¹⁾ 20 ⁽¹⁾ 21 ⁽¹⁾ 22 ⁽¹⁾ 23 ⁽¹⁾ 24 ⁽¹⁾ 25 ⁽¹⁾ 26 ⁽¹⁾ 27 ⁽¹⁾ 28 ⁽¹⁾ 29 ⁽¹⁾ 30 ⁽¹⁾		
✓ 15 Herring Gull 7 ⁽¹⁾ 8 ⁽¹⁾ 9 ⁽¹⁾ 10 ⁽¹⁾ 11 ⁽¹⁾ 12 ⁽¹⁾ 13 ⁽¹⁾ 14 ⁽¹⁾ 15 ⁽¹⁾ 16 ⁽¹⁾ 17 ⁽¹⁾ 18 ⁽¹⁾ 19 ⁽¹⁾ 20 ⁽¹⁾ 21 ⁽¹⁾ 22 ⁽¹⁾ 23 ⁽¹⁾ 24 ⁽¹⁾ 25 ⁽¹⁾ 26 ⁽¹⁾ 27 ⁽¹⁾ 28 ⁽¹⁾ 29 ⁽¹⁾ 30 ⁽¹⁾		
✓ 16 Crow 8 ⁽⁴⁾ 10 ⁽¹⁾ 23 ⁽³⁾ 27 ⁽¹⁾		
✓ 17 Ruby-crown Kinglet 23 ⁽¹⁾ in cherry fruit 27 ⁽¹⁾ in cherry fruit		

CASH ACCOUNT. NOVEMBER.

Date	Received.	Paid.
10 ⁽²⁾ 11 ⁽²⁾ 12 ⁽²⁾ 21 ⁽³⁾ 22 ⁽¹⁾ 23 ⁽²⁾ 25 ⁽²⁾		
20 ⁽¹⁾ 21 ⁽¹⁾ 23 ⁽¹⁾ 25 ⁽¹⁾ 30 ⁽²⁾		
20 ⁽¹⁾ 21 ⁽¹⁾		
16 ⁽⁵⁾ 20 ⁽⁶⁾ 21 ⁽⁴⁾ 23 ⁽²⁾ 24 ⁽¹⁾		
11 ⁽³⁾ 20 ⁽⁴⁾ 21 ⁽³⁾ 24 ⁽¹⁾ 25 ⁽¹⁾		
21 ⁽¹⁰⁾ 22 ⁽¹⁰⁾ 23 ⁽¹²⁾ 24 ⁽¹²⁾ 25 ⁽¹²⁾ 26 ⁽¹⁰⁾ 27 ⁽¹⁵⁾ 28 ⁽⁶⁾		
16 ⁽¹⁾ 21 ⁽¹⁾ 22 ⁽¹⁾ 23 ⁽¹⁾ 24 ⁽¹⁾ 25 ⁽¹⁾ 26 ⁽¹⁾ 27 ⁽¹⁾ 28 ⁽¹⁾ 29 ⁽¹⁾ 30 ⁽¹⁾		
9 ⁽¹⁾ 10 ⁽¹⁾ 11 ⁽¹⁾ 12 ⁽¹⁾ 13 ⁽¹⁾ 14 ⁽¹⁾ 15 ⁽¹⁾ 16 ⁽¹⁾ 17 ⁽¹⁾ 18 ⁽¹⁾ 19 ⁽¹⁾ 20 ⁽¹⁾ 21 ⁽¹⁾ 22 ⁽¹⁾ 23 ⁽¹⁾ 24 ⁽¹⁾ 25 ⁽¹⁾ 26 ⁽¹⁾ 27 ⁽¹⁾ 28 ⁽¹⁾ 29 ⁽¹⁾ 30 ⁽¹⁾		
23 ⁽¹⁾ in cherry fruit 27 ⁽¹⁾ in cherry fruit		

Birds in our Garden.

CASH ACCOUNT. DECEMBER.

Date		Received.	Paid.
✓ 1	Chickadee 1 ⁽³⁾ 2 ^{hd}	3 ^{hd} 4 ^{hd} 5 ^{hd} 6 ^{hd} 7 ⁽²⁾	
✓ 2	Junco 1' 9 ⁽³⁾	23 ⁽³⁾ 29 ⁽²⁾	
✓ 3	Blue Jay 1 ⁽²⁾ 8' 9 ²	11' 13' 15' 17 ⁽³⁾	
✓ 4	Brown Creeper 2 ^{hd} 5 ^{hd}	20'	
✓ 5	Screech Owl 2 ^x 1 ^{hd} 7 ⁽¹⁾		
✓ 6	Crow 5' 8' 15 ^{hd}	17' 19' 20'	
✓ 7	House Sparrow 1, 2, 3, 4, 12, 5, 6, 7, 12, 8, 10, 13		
✓ 8	Hairy Woodpecker 6 ^{hd}	9'	
✓ 9	Hudsonian Chickadee 8 ⁱⁿ 7 ⁱⁿ 1 ⁱⁿ 2 ⁱⁿ 3 ⁱⁿ 4 ⁱⁿ 5 ⁱⁿ 6 ⁱⁿ 7 ⁱⁿ 8 ⁱⁿ 9 ⁱⁿ 10 ⁱⁿ 11 ⁱⁿ 12 ⁱⁿ 13 ⁱⁿ 14 ⁱⁿ 15 ⁱⁿ 16 ⁱⁿ 17 ⁱⁿ 18 ⁱⁿ 19 ⁱⁿ 20 ⁱⁿ 21 ⁱⁿ 22 ⁱⁿ 23 ⁱⁿ 24 ⁱⁿ 25 ⁱⁿ 26 ⁱⁿ 27 ⁱⁿ 28 ⁱⁿ 29 ⁱⁿ 30 ⁱⁿ 31 ⁱⁿ 32 ⁱⁿ 33 ⁱⁿ 34 ⁱⁿ 35 ⁱⁿ 36 ⁱⁿ 37 ⁱⁿ 38 ⁱⁿ 39 ⁱⁿ 40 ⁱⁿ 41 ⁱⁿ 42 ⁱⁿ 43 ⁱⁿ 44 ⁱⁿ 45 ⁱⁿ 46 ⁱⁿ 47 ⁱⁿ 48 ⁱⁿ 49 ⁱⁿ 50 ⁱⁿ 51 ⁱⁿ 52 ⁱⁿ 53 ⁱⁿ 54 ⁱⁿ 55 ⁱⁿ 56 ⁱⁿ 57 ⁱⁿ 58 ⁱⁿ 59 ⁱⁿ 60 ⁱⁿ 61 ⁱⁿ 62 ⁱⁿ 63 ⁱⁿ 64 ⁱⁿ 65 ⁱⁿ 66 ⁱⁿ 67 ⁱⁿ 68 ⁱⁿ 69 ⁱⁿ 70 ⁱⁿ 71 ⁱⁿ 72 ⁱⁿ 73 ⁱⁿ 74 ⁱⁿ 75 ⁱⁿ 76 ⁱⁿ 77 ⁱⁿ 78 ⁱⁿ 79 ⁱⁿ 80 ⁱⁿ 81 ⁱⁿ 82 ⁱⁿ 83 ⁱⁿ 84 ⁱⁿ 85 ⁱⁿ 86 ⁱⁿ 87 ⁱⁿ 88 ⁱⁿ 89 ⁱⁿ 90 ⁱⁿ 91 ⁱⁿ 92 ⁱⁿ 93 ⁱⁿ 94 ⁱⁿ 95 ⁱⁿ 96 ⁱⁿ 97 ⁱⁿ 98 ⁱⁿ 99 ⁱⁿ 100 ⁱⁿ 101 ⁱⁿ 102 ⁱⁿ 103 ⁱⁿ 104 ⁱⁿ 105 ⁱⁿ 106 ⁱⁿ 107 ⁱⁿ 108 ⁱⁿ 109 ⁱⁿ 110 ⁱⁿ 111 ⁱⁿ 112 ⁱⁿ 113 ⁱⁿ 114 ⁱⁿ 115 ⁱⁿ 116 ⁱⁿ 117 ⁱⁿ 118 ⁱⁿ 119 ⁱⁿ 120 ⁱⁿ 121 ⁱⁿ 122 ⁱⁿ 123 ⁱⁿ 124 ⁱⁿ 125 ⁱⁿ 126 ⁱⁿ 127 ⁱⁿ 128 ⁱⁿ 129 ⁱⁿ 130 ⁱⁿ 131 ⁱⁿ 132 ⁱⁿ 133 ⁱⁿ 134 ⁱⁿ 135 ⁱⁿ 136 ⁱⁿ 137 ⁱⁿ 138 ⁱⁿ 139 ⁱⁿ 140 ⁱⁿ 141 ⁱⁿ 142 ⁱⁿ 143 ⁱⁿ 144 ⁱⁿ 145 ⁱⁿ 146 ⁱⁿ 147 ⁱⁿ 148 ⁱⁿ 149 ⁱⁿ 150 ⁱⁿ 151 ⁱⁿ 152 ⁱⁿ 153 ⁱⁿ 154 ⁱⁿ 155 ⁱⁿ 156 ⁱⁿ 157 ⁱⁿ 158 ⁱⁿ 159 ⁱⁿ 160 ⁱⁿ 161 ⁱⁿ 162 ⁱⁿ 163 ⁱⁿ 164 ⁱⁿ 165 ⁱⁿ 166 ⁱⁿ 167 ⁱⁿ 168 ⁱⁿ 169 ⁱⁿ 170 ⁱⁿ 171 ⁱⁿ 172 ⁱⁿ 173 ⁱⁿ 174 ⁱⁿ 175 ⁱⁿ 176 ⁱⁿ 177 ⁱⁿ 178 ⁱⁿ 179 ⁱⁿ 180 ⁱⁿ 181 ⁱⁿ 182 ⁱⁿ 183 ⁱⁿ 184 ⁱⁿ 185 ⁱⁿ 186 ⁱⁿ 187 ⁱⁿ 188 ⁱⁿ 189 ⁱⁿ 190 ⁱⁿ 191 ⁱⁿ 192 ⁱⁿ 193 ⁱⁿ 194 ⁱⁿ 195 ⁱⁿ 196 ⁱⁿ 197 ⁱⁿ 198 ⁱⁿ 199 ⁱⁿ 200 ⁱⁿ 201 ⁱⁿ 202 ⁱⁿ 203 ⁱⁿ 204 ⁱⁿ 205 ⁱⁿ 206 ⁱⁿ 207 ⁱⁿ 208 ⁱⁿ 209 ⁱⁿ 210 ⁱⁿ 211 ⁱⁿ 212 ⁱⁿ 213 ⁱⁿ 214 ⁱⁿ 215 ⁱⁿ 216 ⁱⁿ 217 ⁱⁿ 218 ⁱⁿ 219 ⁱⁿ 220 ⁱⁿ 221 ⁱⁿ 222 ⁱⁿ 223 ⁱⁿ 224 ⁱⁿ 225 ⁱⁿ 226 ⁱⁿ 227 ⁱⁿ 228 ⁱⁿ 229 ⁱⁿ 230 ⁱⁿ 231 ⁱⁿ 232 ⁱⁿ 233 ⁱⁿ 234 ⁱⁿ 235 ⁱⁿ 236 ⁱⁿ 237 ⁱⁿ 238 ⁱⁿ 239 ⁱⁿ 240 ⁱⁿ 241 ⁱⁿ 242 ⁱⁿ 243 ⁱⁿ 244 ⁱⁿ 245 ⁱⁿ 246 ⁱⁿ 247 ⁱⁿ 248 ⁱⁿ 249 ⁱⁿ 250 ⁱⁿ 251 ⁱⁿ 252 ⁱⁿ 253 ⁱⁿ 254 ⁱⁿ 255 ⁱⁿ 256 ⁱⁿ 257 ⁱⁿ 258 ⁱⁿ 259 ⁱⁿ 260 ⁱⁿ 261 ⁱⁿ 262 ⁱⁿ 263 ⁱⁿ 264 ⁱⁿ 265 ⁱⁿ 266 ⁱⁿ 267 ⁱⁿ 268 ⁱⁿ 269 ⁱⁿ 270 ⁱⁿ 271 ⁱⁿ 272 ⁱⁿ 273 ⁱⁿ 274 ⁱⁿ 275 ⁱⁿ 276 ⁱⁿ 277 ⁱⁿ 278 ⁱⁿ 279 ⁱⁿ 280 ⁱⁿ 281 ⁱⁿ 282 ⁱⁿ 283 ⁱⁿ 284 ⁱⁿ 285 ⁱⁿ 286 ⁱⁿ 287 ⁱⁿ 288 ⁱⁿ 289 ⁱⁿ 290 ⁱⁿ 291 ⁱⁿ 292 ⁱⁿ 293 ⁱⁿ 294 ⁱⁿ 295 ⁱⁿ 296 ⁱⁿ 297 ⁱⁿ 298 ⁱⁿ 299 ⁱⁿ 300 ⁱⁿ 301 ⁱⁿ 302 ⁱⁿ 303 ⁱⁿ 304 ⁱⁿ 305 ⁱⁿ 306 ⁱⁿ 307 ⁱⁿ 308 ⁱⁿ 309 ⁱⁿ 310 ⁱⁿ 311 ⁱⁿ 312 ⁱⁿ 313 ⁱⁿ 314 ⁱⁿ 315 ⁱⁿ 316 ⁱⁿ 317 ⁱⁿ 318 ⁱⁿ 319 ⁱⁿ 320 ⁱⁿ 321 ⁱⁿ 322 ⁱⁿ 323 ⁱⁿ 324 ⁱⁿ 325 ⁱⁿ 326 ⁱⁿ 327 ⁱⁿ 328 ⁱⁿ 329 ⁱⁿ 330 ⁱⁿ 331 ⁱⁿ 332 ⁱⁿ 333 ⁱⁿ 334 ⁱⁿ 335 ⁱⁿ 336 ⁱⁿ 337 ⁱⁿ 338 ⁱⁿ 339 ⁱⁿ 340 ⁱⁿ 341 ⁱⁿ 342 ⁱⁿ 343 ⁱⁿ 344 ⁱⁿ 345 ⁱⁿ 346 ⁱⁿ 347 ⁱⁿ 348 ⁱⁿ 349 ⁱⁿ 350 ⁱⁿ 351 ⁱⁿ 352 ⁱⁿ 353 ⁱⁿ 354 ⁱⁿ 355 ⁱⁿ 356 ⁱⁿ 357 ⁱⁿ 358 ⁱⁿ 359 ⁱⁿ 360 ⁱⁿ 361 ⁱⁿ 362 ⁱⁿ 363 ⁱⁿ 364 ⁱⁿ 365 ⁱⁿ 366 ⁱⁿ 367 ⁱⁿ 368 ⁱⁿ 369 ⁱⁿ 370 ⁱⁿ 371 ⁱⁿ 372 ⁱⁿ 373 ⁱⁿ 374 ⁱⁿ 375 ⁱⁿ 376 ⁱⁿ 377 ⁱⁿ 378 ⁱⁿ 379 ⁱⁿ 380 ⁱⁿ 381 ⁱⁿ 382 ⁱⁿ 383 ⁱⁿ 384 ⁱⁿ 385 ⁱⁿ 386 ⁱⁿ 387 ⁱⁿ 388 ⁱⁿ 389 ⁱⁿ 390 ⁱⁿ 391 ⁱⁿ 392 ⁱⁿ 393 ⁱⁿ 394 ⁱⁿ 395 ⁱⁿ 396 ⁱⁿ 397 ⁱⁿ 398 ⁱⁿ 399 ⁱⁿ 400 ⁱⁿ 401 ⁱⁿ 402 ⁱⁿ 403 ⁱⁿ 404 ⁱⁿ 405 ⁱⁿ 406 ⁱⁿ 407 ⁱⁿ 408 ⁱⁿ 409 ⁱⁿ 410 ⁱⁿ 411 ⁱⁿ 412 ⁱⁿ 413 ⁱⁿ 414 ⁱⁿ 415 ⁱⁿ 416 ⁱⁿ 417 ⁱⁿ 418 ⁱⁿ 419 ⁱⁿ 420 ⁱⁿ 421 ⁱⁿ 422 ⁱⁿ 423 ⁱⁿ 424 ⁱⁿ 425 ⁱⁿ 426 ⁱⁿ 427 ⁱⁿ 428 ⁱⁿ 429 ⁱⁿ 430 ⁱⁿ 431 ⁱⁿ 432 ⁱⁿ 433 ⁱⁿ 434 ⁱⁿ 435 ⁱⁿ 436 ⁱⁿ 437 ⁱⁿ 438 ⁱⁿ 439 ⁱⁿ 440 ⁱⁿ 441 ⁱⁿ 442 ⁱⁿ 443 ⁱⁿ 444 ⁱⁿ 445 ⁱⁿ 446 ⁱⁿ 447 ⁱⁿ 448 ⁱⁿ 449 ⁱⁿ 450 ⁱⁿ 451 ⁱⁿ 452 ⁱⁿ 453 ⁱⁿ 454 ⁱⁿ 455 ⁱⁿ 456 ⁱⁿ 457 ⁱⁿ 458 ⁱⁿ 459 ⁱⁿ 460 ⁱⁿ 461 ⁱⁿ 462 ⁱⁿ 463 ⁱⁿ 464 ⁱⁿ 465 ⁱⁿ 466 ⁱⁿ 467 ⁱⁿ 468 ⁱⁿ 469 ⁱⁿ 470 ⁱⁿ 471 ⁱⁿ 472 ⁱⁿ 473 ⁱⁿ 474 ⁱⁿ 475 ⁱⁿ 476 ⁱⁿ 477 ⁱⁿ 478 ⁱⁿ 479 ⁱⁿ 480 ⁱⁿ 481 ⁱⁿ 482 ⁱⁿ 483 ⁱⁿ 484 ⁱⁿ 485 ⁱⁿ 486 ⁱⁿ 487 ⁱⁿ 488 ⁱⁿ 489 ⁱⁿ 490 ⁱⁿ 491 ⁱⁿ 492 ⁱⁿ 493 ⁱⁿ 494 ⁱⁿ 495 ⁱⁿ 496 ⁱⁿ 497 ⁱⁿ 498 ⁱⁿ 499 ⁱⁿ 500 ⁱⁿ 501 ⁱⁿ 502 ⁱⁿ 503 ⁱⁿ 504 ⁱⁿ 505 ⁱⁿ 506 ⁱⁿ 507 ⁱⁿ 508 ⁱⁿ 509 ⁱⁿ 510 ⁱⁿ 511 ⁱⁿ 512 ⁱⁿ 513 ⁱⁿ 514 ⁱⁿ 515 ⁱⁿ 516 ⁱⁿ 517 ⁱⁿ 518 ⁱⁿ 519 ⁱⁿ 520 ⁱⁿ 521 ⁱⁿ 522 ⁱⁿ 523 ⁱⁿ 524 ⁱⁿ 525 ⁱⁿ 526 ⁱⁿ 527 ⁱⁿ 528 ⁱⁿ 529 ⁱⁿ 530 ⁱⁿ 531 ⁱⁿ 532 ⁱⁿ 533 ⁱⁿ 534 ⁱⁿ 535 ⁱⁿ 536 ⁱⁿ 537 ⁱⁿ 538 ⁱⁿ 539 ⁱⁿ 540 ⁱⁿ 541 ⁱⁿ 542 ⁱⁿ 543 ⁱⁿ 544 ⁱⁿ 545 ⁱⁿ 546 ⁱⁿ 547 ⁱⁿ 548 ⁱⁿ 549 ⁱⁿ 550 ⁱⁿ 551 ⁱⁿ 552 ⁱⁿ 553 ⁱⁿ 554 ⁱⁿ 555 ⁱⁿ 556 ⁱⁿ 557 ⁱⁿ 558 ⁱⁿ 559 ⁱⁿ 560 ⁱⁿ 561 ⁱⁿ 562 ⁱⁿ 563 ⁱⁿ 564 ⁱⁿ 565 ⁱⁿ 566 ⁱⁿ 567 ⁱⁿ 568 ⁱⁿ 569 ⁱⁿ 570 ⁱⁿ 571 ⁱⁿ 572 ⁱⁿ 573 ⁱⁿ 574 ⁱⁿ 575 ⁱⁿ 576 ⁱⁿ 577 ⁱⁿ 578 ⁱⁿ 579 ⁱⁿ 580 ⁱⁿ 581 ⁱⁿ 582 ⁱⁿ 583 ⁱⁿ 584 ⁱⁿ 585 ⁱⁿ 586 ⁱⁿ 587 ⁱⁿ 588 ⁱⁿ 589 ⁱⁿ 590 ⁱⁿ 591 ⁱⁿ 592 ⁱⁿ 593 ⁱⁿ 594 ⁱⁿ 595 ⁱⁿ 596 ⁱⁿ 597 ⁱⁿ 598 ⁱⁿ 599 ⁱⁿ 600 ⁱⁿ 601 ⁱⁿ 602 ⁱⁿ 603 ⁱⁿ 604 ⁱⁿ 605 ⁱⁿ 606 ⁱⁿ 607 ⁱⁿ 608 ⁱⁿ 609 ⁱⁿ 610 ⁱⁿ 611 ⁱⁿ 612 ⁱⁿ 613 ⁱⁿ 614 ⁱⁿ 615 ⁱⁿ 616 ⁱⁿ 617 ⁱⁿ 618 ⁱⁿ 619 ⁱⁿ 620 ⁱⁿ 621 ⁱⁿ 622 ⁱⁿ 623 ⁱⁿ 624 ⁱⁿ 625 ⁱⁿ 626 ⁱⁿ 627 ⁱⁿ 628 ⁱⁿ 629 ⁱⁿ 630 ⁱⁿ 631 ⁱⁿ 632 ⁱⁿ 633 ⁱⁿ 634 ⁱⁿ 635 ⁱⁿ 636 ⁱⁿ 637 ⁱⁿ 638 ⁱⁿ 639 ⁱⁿ 640 ⁱⁿ 641 ⁱⁿ 642 ⁱⁿ 643 ⁱⁿ 644 ⁱⁿ 645 ⁱⁿ 646 ⁱⁿ 647 ⁱⁿ 648 ⁱⁿ 649 ⁱⁿ 650 ⁱⁿ 651 ⁱⁿ 652 ⁱⁿ 653 ⁱⁿ 654 ⁱⁿ 655 ⁱⁿ 656 ⁱⁿ 657 ⁱⁿ 658 ⁱⁿ 659 ⁱⁿ 660 ⁱⁿ 661 ⁱⁿ 662 ⁱⁿ 663 ⁱⁿ 664 ⁱⁿ 665 ⁱⁿ 666 ⁱⁿ 667 ⁱⁿ 668 ⁱⁿ 669 ⁱⁿ 670 ⁱⁿ 671 ⁱⁿ 672 ⁱⁿ 673 ⁱⁿ 674 ⁱⁿ 675 ⁱⁿ 676 ⁱⁿ 677 ⁱⁿ 678 ⁱⁿ 679 ⁱⁿ 680 ⁱⁿ 681 ⁱⁿ 682 ⁱⁿ 683 ⁱⁿ 684 ⁱⁿ 685 ⁱⁿ 686 ⁱⁿ 687 ⁱⁿ 688 ⁱⁿ 689 ⁱⁿ 690 ⁱⁿ 691 ⁱⁿ 692 ⁱⁿ 693 ⁱⁿ 694 ⁱⁿ 695 ⁱⁿ 696 ⁱⁿ 697 ⁱⁿ 698 ⁱⁿ 699 ⁱⁿ 700 ⁱⁿ 701 ⁱⁿ 702 ⁱⁿ 703 ⁱⁿ 704 ⁱⁿ 705 ⁱⁿ 706 ⁱⁿ 707 ⁱⁿ 708 ⁱⁿ 709 ⁱⁿ 710 ⁱⁿ 711 ⁱⁿ 712 ⁱⁿ 713 ⁱⁿ 714 ⁱⁿ 715 ⁱⁿ 716 ⁱⁿ 717 ⁱⁿ 718 ⁱⁿ 719 ⁱⁿ 720 ⁱⁿ 721 ⁱⁿ 722 ⁱⁿ 723 ⁱⁿ 724 ⁱⁿ 725 ⁱⁿ 726 ⁱⁿ 727 ⁱⁿ 728 ⁱⁿ 729 ⁱⁿ 730 ⁱⁿ 731 ⁱⁿ 732 ⁱⁿ 733 ⁱⁿ 734 ⁱⁿ 735 ⁱⁿ 736 ⁱⁿ 737 ⁱⁿ 738 ⁱⁿ 739 ⁱⁿ 740 ⁱⁿ 741 ⁱⁿ 742 ⁱⁿ 743 ⁱⁿ 744 ⁱⁿ 745 ⁱⁿ 746 ⁱⁿ 747 ⁱⁿ 748 ⁱⁿ 749 ⁱⁿ 750 ⁱⁿ 751 ⁱⁿ 752 ⁱⁿ 753 ⁱⁿ 754 ⁱⁿ 755 ⁱⁿ 756 ⁱⁿ 757 ⁱⁿ 758 ⁱⁿ 759 ⁱⁿ 760 ⁱⁿ 761 ⁱⁿ 762 ⁱⁿ 763 ⁱⁿ 764 ⁱⁿ 765 ⁱⁿ 766 ⁱⁿ 767 ⁱⁿ 768 ⁱⁿ 769 ⁱⁿ 770 ⁱⁿ 771 ⁱⁿ 772 ⁱⁿ 773 ⁱⁿ 774 ⁱⁿ 775 ⁱⁿ 776 ⁱⁿ 777 ⁱⁿ 778 ⁱⁿ 779 ⁱⁿ 780 ⁱⁿ 781 ⁱⁿ 782 ⁱⁿ 783 ⁱⁿ 784 ⁱⁿ 785 ⁱⁿ 786 ⁱⁿ 787 ⁱⁿ 788 ⁱⁿ 789 ⁱⁿ 790 ⁱⁿ 791 ⁱⁿ 792 ⁱⁿ 793 ⁱⁿ 794 ⁱⁿ 795 ⁱⁿ 796 ⁱⁿ 797 ⁱⁿ 798 ⁱⁿ 799 ⁱⁿ 800 ⁱⁿ 801 ⁱⁿ 802 ⁱⁿ 803 ⁱⁿ 804 ⁱⁿ 805 ⁱⁿ 806 ⁱⁿ 807 ⁱⁿ 808 ⁱⁿ 809 ⁱⁿ 810 ⁱⁿ 811 ⁱⁿ 812 ⁱⁿ 813 ⁱⁿ 814 ⁱⁿ 815 ⁱⁿ 816 ⁱⁿ 817 ⁱⁿ 818 ⁱⁿ 819 ⁱⁿ 820 ⁱⁿ 821 ⁱⁿ 822 ⁱⁿ 823 ⁱⁿ 824 ⁱⁿ 825 ⁱⁿ 826 ⁱⁿ 827 ⁱⁿ 828 ⁱⁿ 829 ⁱⁿ 830 ⁱⁿ 831 ⁱⁿ 832 ⁱⁿ 833 ⁱⁿ 834 ⁱⁿ 835 ⁱⁿ 836 ⁱⁿ 837 ⁱⁿ 838 ⁱⁿ 839 ⁱⁿ 840 ⁱⁿ 841 ⁱⁿ 842 ⁱⁿ 843 ⁱⁿ 844 ⁱⁿ 845 ⁱⁿ 846 ⁱⁿ 847 ⁱⁿ 848 ⁱⁿ 849 ⁱⁿ 850 ⁱⁿ 851 ⁱⁿ 852 ⁱⁿ 853 ⁱⁿ 854 ⁱⁿ 855 ⁱⁿ 856 ⁱⁿ 857 ⁱⁿ 858 ⁱⁿ 859 ⁱⁿ 860 ⁱⁿ 861 ⁱⁿ 862 ⁱⁿ 863 ⁱⁿ 864 ⁱⁿ 865 ⁱⁿ 866 ⁱⁿ 867 ⁱⁿ 868 ⁱⁿ 869 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SUMMARY OF CASH ACCOUNT.

	Received.	Paid.
JAN.		
FEB.		
MAR.		
APR.		
MAY.		
JUNE.		
JULY.		
AUG.		
SEPT.		
OCT.		
NOV.		
DEC.		

Miscellaneous Bird Notes of special interest.

BILLS PAYABLE. JANUARY.

Date.	NAME.	Dolls.	Cts.
13-23	From 1 to 15 <u>Purple Finches</u> in Garden		
22 nd	About 7 a.m. three <u>Evening Grosbeaks</u> (1 ♂ 2 ♀♀) were seen by Samuel Henshaw in "apple tree corner of Highland and Appleton Streets," Cambridge. He had them in full view "for perhaps half a minute" after which "they moved off across and down Appleton St. towards 'Brookline'"		
	RECEIVABLE. (See his letter of 7th. 12.)		

BILLS PAYABLE. FEBRUARY

Date.	NAME.	Dolls.	Cts.
12 th	Two Sparrow Hawks, ♂ & ♀, seen about 10 a.m. by Walter Dean in the old Greenleaf place on Brattle St. Cambridge. The ♂ flew above in a wide circle screaming & then alighted in a tree with the ♀. This, no doubt, is the same pair that raised young in the dead pine in the Smith place on Brattle Street last year.		

RECEIVABLE.

BILLS PAYABLE. MARCH

Date.	NAME.	Dolls.	Cts.
13	♂ Sparrow Hawk flying over our lawn at 3.30 P.M.		
14	♀ " " perched on top of big butternut in Smith place, 3 P.M.		
10	First Orioles 2 white ones from of house		
14	" Snows drops, six, " " Museum		
18	" Honey Bee, at Snows drops		
"	♂ & ♀ Sparrow Hawk the Smith place - Brattle Street		
19	First yellow orons		
"	RECEIVABLE. Bluebirds, Song Sparrows, Fox Sp. juncos, Goldfinches Red-wings & a Pheasant, singing at W. Bufford		
31	First Tree Swallows (3)		
"	" Wood Peeps 3, Farm; 2 Bensons		
"	" Hylas - 3 Farm, 1 Bensons		
"	" Robin in field song at our "		
"	Alder in bloom		
"	First Brethrins - 2 small Green ones.		
"	" Spotted Towhees		
"	Flack 100+ Crows Blackbirds flying		
"	N. E. ones from at 3 P.M. unpaired. Snow-drops & Squills in bloom		

BILLS PAYABLE. APRIL.

DATE.	NAME.	Dolls.	Cts.
1	First hepaticas (front of cabin)		
7	Saw 2 horned larks at Farm		
"	" 21 Black Ducks, Bedford bro.		
"	First Pine Warbler *		
"	" Orchard T. Wren		
"	" full chorus of Hylas.		
"	Burns' pasture showing green		
13	Chickadees in bloom		
15	First blood root		
	RECEIVABLE.		
"	First Garden Loops Trilling		
16	Block 36 Gun going N. at 20 P.M.		
"	Orange Salamander Periwinkle fern		
"	First mosquito bites (2, in cabin)		
18	50+ Tree & Barn Swallows over house		
19	300+ " " " " " "		
20-21	Heavy flight Yellow Warblers		
21	Red. maples in fullest bloom		
22	Forsythia at Burns in full bloom, Corn.		
24	First line catapillars & grasshoppers		
27	Violets, tulips & jonquils in bloom		
28	Red maple, Apple & barberry leaves unfolded		
	Forsythia in bloom at Farm		

BILLS PAYABLE. MAY.

DATE.	NAME.	Dolls.	Cts.
1	" April bush" began well ago & other Cocks		
2	Hylas & Orchard T. Wren, excepted & making great den		
3	First shed buds on flowers - rain buds		
"	" Maryland 44. The. House W., House Wren		
"	" Least Flycatcher.		
4	" Overland, Water Thrush, Bald Eagle.		
10	Loon heard calling over B. H. & C. W.		
"	First apple blossoms; Shed in full bloom		
"	" Gypsy Moth Caroon over on road		
11	" Fowler's Toad & B. 30 P.M.		
	RECEIVABLE.		
"	River maples in half leaf casting yellow shed		
12	Several apple trees in full bloom		
13	Fowler's Toad & Tree Toad in full cry, 8 P.M.		
14	Several biting Mosquitoes, B. H. & T.		
15	River maples casting down shed B. H.		
"	Apple trees in nearly full bloom.		
17	" " " fullest bloom. Big bird over		
"	Prothonotary W. First Dragon Fly		
18	Mosquitoes bad this eve. for first time		
19	Labrador in full bloom.		
23	Apple blossoms nearly all gone		
31	First Bull-Tongue bellflower		

BILLS PAYABLE. JUNE.

Date.	NAME.	Dolls.	Cts.
1	Thousands of Dragon Flies appear		
"	First gen. croaking Green Frogs		
2	" " " Bull "		
"	17 Bats, in shed at Tanno		
"	Field Crickets chirping freely.		
3	Painted Lizards laying eggs.		
4	Many " " " "		
5	Lupines in fullest bloom.		
7	Rhododendrons in fullest bloom. Comb.		
17	RECEIVABLE. Black Hawk Chorus fully ripe Comb. Garden		
"	Strawberries ripe		
"	Pair of Sparrows Hatched with brood of		
"	3 young just out of nest & still together with		
"	down but able to take their wing & better		
"	seen on the pine in South field. Water Doves		
20	Flower's Larks in deepening chorus.		
"	First 4 in fly.		
22	Grand Chorus Bull & boys at night -		
"	" " Flower's Larks & Great Thrup		
23	First Deer Fly.		
22	Boys & Larks caught on R.R. by Pat		
29	Thousands of Dragon Flies over land.		
	Myriads of Agave-edai over water of		
	lake at about 100 to 150 yds square.		
	Only birds crowded over them.		
	First white water lilies in bloom in creek		

BILLS PAYABLE. JULY.

Date	NAME.	Dolls.	Cts
9 th July	First Cicada - Intense heat, almost gone. <u>Fing</u> mosquitoes here	Cherish	
14	Pond lilies & peonies now full in bloom. Flowers unusually numerous. Dear this very hot. Day on this still sunny. Cicadas numerous. Birds still singing. Bull & Green frogs in full cry at night. Plenty of ripe raspberries		
16	RECEIVABLES Thousands of <u>blackflies</u> no bigger than pin heads appeared in pond front of house to day. I think they hatched this morning. Two garden larks hatched yesterday. These though early July & far later than this night of 12 th		
20	Butter bushes in full bloom. Bull frogs in full cry. Still, also Green frogs. Gay king birds laying on the ground. Raspberry season in full. Hawthorn " " " to ripen also. <u>Blackberries</u> beginning to ripen also.		
23	Two Hemlocks in garden - the first obvious sign of the summer there.		
27	Look of golden rod in bloom.		
28	Height of blueberry season & very crops. Height of currant season by far. Bushes eaten with berries in Procell. Bull & Green frogs still in full cry.		

Concord

BILLS PAYABLE. OCTOBER.

Date.	NAME.	Dolls.	Cts.
5	Gorgeous autumn coloring. That of red maples, tupelos, hickories, hickories & Sassafras about at maximum to-day. Cicada flying, Wood Thrushes, 1 Bat still in shed left.		
4	Otter in river before cabin 7.30 P.M.		
6	Maple foliage faded & falling		
14	Maple " all down		
"	Hickory " faded. Blueberry & winged black fly.		
"	Picking Baldpate & blue phalarope off the		
7-15	Pine needles falling		
16	Oak foliage coloring fast. <u>First ice</u>		
17	⑨ Gull in river off cabin		
18	2 Deer (big doe & little one) at 7 a.m.		
"	Finished picking off the (Bygon. 14 th)		
21	Coloring of oaks about its best.		
31	Finnies, Coratpis, Cuckoos, Nuthatches & hollyhocks still in bloom. Many red light Dragon flies moving. Woods down & falling.		

BILLS PAYABLE. NOVEMBER.

Date.	NAME.	Dolls.	Cts.
2	Return to Cambridge.		
3	Ground hard frozen, Therm 28° to 36°		
5-16	No frost. Many days very mild.		
18	First snow-flakes. Ground hard frozen yesterday & to-day. "Finger cold" started 11 Partridge at farm on the		
17 th	Saw large doe that evening		

RECEIVABLE.

BILLS PAYABLE. DECEMBER.

MEMORANDA

MEMORANDA.

Date.

Dolls. Cts.

ADDRESSES.

NAME.

STREET, No.

CITY.

TELEPHONE No.

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TELEPHONE No.

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TELEPHONE No.

NAME.

STREET, No.

CITY.

TELEPHONE No.

NAME.

STREET, No.

CITY.

TELEPHONE No.

ADDRESSES.

NAME. Mrs. G. N. White (Marjorie Carter)
 STREET, No. 10 Sudbury Road
 CITY. Concord
 TELEPHONE No.

NAME. Dorothy Carter
 STREET, No. 21 Berkeley St. (Miss Vaughan's)
 CITY. Cambridge
 TELEPHONE No.

NAME. Mrs. Thos. Swasey Farley (Pauline Greenwood)
 STREET, No. Greenwood Farm
 CITY. South Euclid, Ohio
 TELEPHONE No. (Send her Pauline Memorial)

NAME. F. W. Ulrich
 STREET, No.
 CITY. Port of Spain, Trinidad.
 TELEPHONE No.

NAME. E. H. Davis
 STREET, No. 198 Bellingham Ave.
 CITY. Beaumont, Mass.
 TELEPHONE No.

ADDRESSES.

NAME. George H. Sealey
 STREET, No. (Artist - Photographer)
 CITY. Stockbridge, Mass.
 TELEPHONE No.

NAME. Robert Ridgway
 STREET, No. 3353, 18th St., N. W.
 CITY. Washington, D. C.
 TELEPHONE No.

NAME. Evelyn Purdie of Mrs. B. H. Nash
 STREET, No. 252 Beacon St.
 CITY. Boston of Mrs. B. H. Nash.
 TELEPHONE No.

NAME. William J. Brewster } forwarding
 STREET, No. Care of H. A. Cluskey } address
 CITY. 43 Cedar St. New York City } Sub. Jan 1912
 TELEPHONE No.

NAME. Robert A. Andrews
 STREET, No. 60 State
 CITY. Boston
 TELEPHONE No.

ADDRESSES.

NAME. *Geo. V. Levere*
STREET, No. *15 Day St., N. Y.*

CITY.

TELEPHONE No.

NAME. *C. F. B.*

STREET, No. *Wildmere Hotel,*

CITY. *Minneapolis*

TELEPHONE No. *Alster Co., N. Y.*

NAME.

STREET, No.

CITY.

TELEPHONE No.

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STREET, No.

CITY.

TELEPHONE No.

CALLS.

Rec'd.

NAME.

Returned.

Birds noted at Bethel, Maine

CALLS. Jan'y 3-5.

CALLS.

Rec'd.	NAME.	Returned.
1	<u>Parus atricapillus</u> 3 ♂ 3 ♀ 3 ♂ 3 ♀	3 ♂ 3 ♀
2	" <u>hudsonicus</u> 3 1 ♂	
3	<u>Sitta canadensis</u> 3 2 ♀ 2 ♂ 2 ♂	
4	<u>Dryobates pubescens</u> 3 1 ♂ 4 2 ♂	4 2 ♂
6	<u>Acanthis linaria</u> 3 3 ♂ 4 2 ♂	4 2 ♂
6	<u>Dorcia leucophaea</u> 3 1 ♂ on every	
7	<u>Corvus n. togata</u> 3 1 ♂ 4 1 ♂ 1 ♂	4 1 ♂ 1 ♂
8	<u>Syrnium nebulosum</u> 2 1 ♂ 11 P. 1 ♂. Dr. 1 ♂.	
9	<u>Cophocorus plicatus</u> 4 1 ♂ in 1 ♂, 1 ♂, 1 ♂, 1 ♂	
10	<u>Cyanocitta cristata</u> 4 1 ♂ in 1 ♂, 1 ♂, 1 ♂, 1 ♂	
11	<u>Pinicola canadensis</u> 4 1 ♂ in 1 ♂, 1 ♂, 1 ♂, 1 ♂	
12	<u>Regulus satrapa</u> 4 1 ♂ in 1 ♂, 1 ♂, 1 ♂, 1 ♂	

Corvus corax seen by Dr. 1, 1 ♂, 1 ♂

December 28 1890.

Corvus am? Two ladies at Dr. 1's on

seen they saw & heard 2 Corvus on Jan. 1.

Red Spurred. Literally swarming in Glen Woods. Many seen on road & their tracks found everywhere.

Birds noted at Glendale, Mon.

CALLS, Jun 8-17

Rec'd	NAME.	Returned.
1.	<u>Turdus mus.</u> 8' 9' 10' 11' 12'	
2.	" <u>fusca</u> 9' 11' 13' 14'	
3.	<u>Murula nig.</u> 8' 9' 10' 11' 12'	
4.	<u>Sitta carolin</u> 8' 14'.	
5.	<u>Miniotilta</u> 9' 10' 12' 13' 14'	
6.	<u>D. virens</u> 8' 9' 10' 11' 12'	
7.	" <u>caerulea</u> 9' 10' 11' 12' 13'	
8.	" <u>blackburnia</u> 9' 10' 11' 12'	
9.	" <u>maculosa</u> 9' 10' 11' 12'	
10.	<u>Staphaga</u> 8' 9' 10' 11' 13' 14'	
11.	<u>G. trichas</u> 9'	
12.	<u>Vireo ol.</u> 8' 9' 10' 11' 12'	
13.	<u>Piranga</u> 9' 10' 11' 12' 14'	
14.	<u>Mel. melodia</u> 9' 10' 11' 12'	
15.	<u>Spirilla soc.</u> 8' 9' 10' 11' 12'	
16.	<u>Pass. cyano</u> 8' 9' 10' 11' 12'	
17.	<u>Scolecoph. aeneus</u> 8' 9' 10' 11' 12'	
18.	<u>Corvus am.</u> 9' 10' 11' 13' 14'	
19.	<u>Cyanocitta</u> 9' 10' 11' 12'	
20.	<u>Icterus galbula</u> 9' 14' 15' 16'	

CALLS.

Rec'd.	NAME.	Returned.
13' 14' 16'		
16'		
12' 13' 14' 15' 16' 17'		
13' 14' 16'		
14' 15' 16'		
13' 14' 15' 16' 17'		
13' 14' 15' 16'		
15' 16' 17'		
13' 14' 15' 16'		
15' 16' 17'		
13' 14' 15' 16'		
15'		
14' 16'		
12' 14' 15' 17'		
13' 14' 15' 16'		
13' 14' 15' 16'		
15' 16'		
13' 14' 15' 16'		

(Same bird, an offh. bird, was heard)

Birds noted at Glendale

CALLS. June 8

CALLS

Rec'd.	NAME.	Returned.	Rec'd.	NAME.	Returned.
21.	<u>Contopus vir</u> 10 ¹ / ₂ 11 ¹ / ₂				
22.	<u>Myiarchus cin.</u> 9 ¹ / ₂ 10 ² / ₂ 11 ² / ₂ 12 ² / ₂		13 ¹ / ₂ 14 ¹ / ₂ 15 ¹ / ₂ 16 ¹ / ₂		
23.	<u>Ampelis ced.</u> 9 ⁴ / ₄ 12 ⁴ / ₄ 14 ⁴ / ₄ 15 ⁴ / ₄		16 ² / ₂		
24.	<u>Tyrannus</u> 9 ² / ₂ 16 ¹ / ₁				
25.	<u>Chaetura</u> 8 ² / ₂ 9 ³ / ₃ 10 ³ / ₃ 11 ⁴ / ₄ 12 ⁴ / ₄		14 ⁴ / ₄ 15 ⁴ / ₄ 16 ² / ₂		
26.	<u>Colaptes</u> 10 ⁴ / ₄ 11 ⁶ / ₆ 12 ¹ / ₂ 13 ¹ / ₂ 14 ¹ / ₂		15 ¹ / ₂ 16 ¹ / ₂ 17 ¹ / ₂		
27.	<u>D. pennsylvanicus</u> 10 ¹ / ₂ 14 ¹ / ₂ 16 ¹ / ₂				
28.	<u>Spin. pusilla</u> 10 ¹ / ₂ 14 ¹ / ₂ 16 ¹ / ₂				
29.	<u>Hirundo erythra</u> 10 ³ / ₃				
30.	<u>Bonasa im.</u> 10 ² / ₂ 11 ² / ₂ 12 ² / ₂				
31.	<u>Sayornis</u> 10 ¹ / ₂ 11 ¹ / ₂ 11 ¹ / ₂ 11 ¹ / ₂		14 ¹ / ₂ 16 ¹ / ₂		
32.	<u>Trochilus</u> 9 ¹ / ₂ 11 ¹ / ₂ 11 ¹ / ₂ 12 ¹ / ₂				
33.	<u>Spinus tristis</u> 12 ¹ / ₂				
34.	<u>Buteo pennsylvanicus</u> 11 ¹ / ₂ 12 ¹ / ₂ 15 ¹ / ₂		16 ¹ / ₂		
35.	<u>Veris polistarius</u> 11 ¹ / ₂ 12 ¹ / ₂ 14 ¹ / ₂		15 ¹ / ₂ 16 ¹ / ₂		
36.	<u>Empidonax hammondi</u> 13 ¹ / ₂				
37.	<u>Parus albi</u> 13 ¹ / ₂ 14 ¹ / ₂ 15 ¹ / ₂ 17 ¹ / ₂				
38.	<u>Buteo lin.</u> 14 ² / ₂				
39.	<u>Galuscaptes car.</u> 8 ¹ / ₂ 14 ¹ / ₂ 16 ¹ / ₂				
40.	<u>Carpodacus pur</u> 14 ¹ / ₂				

Dend. aestiva 17¹/₂
Dolichonyx 17⁴/₄
Sturnella 17¹/₂
Lanius 17¹/₂
Emp. nigr. 17¹/₂

Stackhouse

Birds at Wolfboro, N. H.
CALLS. June 18-19

CALLS. June 18-19

Rec'd.	NAME.	Returned.
	<u>Marela nig</u> 19 ²	bring
	<u>Dend. aestiva</u> 19 ²	"
	" <u>bigotii</u> 19 ² (Wies)	20 ² Coll. thorn
	" <u>peruzylo</u>	20 ² Coll. thorn
	<u>Mimulitis varia</u>	20 ² " "
	<u>Senecio. camp.</u>	26 ⁶ " "
	<u>Veru olivaceus</u>	19 ² 20 ² bring
	" <u>grivus</u>	19 ² 20 ³ "
	<u>Pygmae stratis</u>	19 30 ² "
	<u>Petrarchid. de laurifera</u>	19 50 ² bring D.
	<u>Corpedoceros papilionis</u>	19 ² 20 ² bring
	<u>Icterus gal.</u>	20 ² "
	<u>Lus. colas</u>	19 ² 20 ⁶ Coll. thorn
	<u>Chaetura pelagica</u>	19 ² bring
	<u>Corvus aeneus</u>	20 ⁶ Coll. thorn
	<u>Haliaeetus lunifrons</u>	20 ¹ ad. Coll.
	<u>Empidonax minimus</u>	19 ² bring
	<u>Tyrannus car.</u>	20 ² "
	<u>Coccyzus americanus</u>	19 ² (Hendricks)

LETTERS.

LETTERS.

Rec'd.

NAME.

Answered.

LETTERS.

Rec'd.

NAME.

Answered.

LETTERS.

Rec'd.	NAME.	Answered.
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Gypsy Moth Conditions.

July 28, 1912 LETTERS. Covered, Mass.

Rec'd.	NAME.	Answered.
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Ball's Hill Region

Oaks & pines across river clean.

but brown tails & rears toughen.

No need to spray in 1913.

Ball's Hill. A few nests on oaks close to cabin. hardly any elsewhere. Crosses these nests & one browned tail. Done spray.Rear of Ball's Hill. Two oaks by vegetable garden infested (crossed nests & rears complete). Very few nests in pine grove or maples by Swamp.Oak ridge east side of Swamp but badly infested. No need to spray if brown tails are out.Pine Park perfectly clean.Blackburns Ridge & Benjamin's Knoll with all timberland perfectly clean.

No gypsies or brown tails seen there. Nothing to do but cut brown tails.

Holden's Hill. This mostly dead
needs scow.

Gypsy Moth Conditions

July 28, 1912 LETTERS. Concord, Mass.

Rec'd.	NAME.	Answered.
	<u>Ball's Hill Region.</u>	
	<p><u>Pine Hill.</u> Top with north & west sides nearly clear. Cut hard wood sprouts & let best go. East slope moderately, south slope very badly infested. Have <u>Pine</u> Spry every ^{every} thing south & east of roadway to edge of swamp & river meadows including pines west of larch grove. All superfluous trees should be cut this autumn including pines & birches east of larches. The colony is a bad one & must be stopped.</p>	
	<p><u>Davis Hill.</u> Shocking bad. Oaks leaf-eaten with laying eggs & are alive with flying eggs. Only a few nests on pines. Have should be completely again. All big oaks should be cut. Second growth oaks on S. slope can be saved by spraying.</p>	

Gypsy Moth Conditions

July 28, 1912 LETTERS.

Rec'd.	NAME.	Answered.
	<u>The Town Region</u>	
	<p><u>Prescott Pines.</u> General infestation bad among & near hardwoods. Have should be cut and everywhere.</p>	
	<p><u>Birk Field.</u> Bad all over. Cut lots of birches & near Dream Spring.</p>	
	<p><u>Oaks at & near Spring.</u> Clean Juniper & cut birches only.</p>	
	<p><u>Pulpit Rock woods.</u> Rather bad. Cut out all super. oaks & birches. Wood edge near back orchard. Rows long oak clear. Remove Compton & cut Greenleafs. Low growth along neighboring area paths badly infested. Have Dream Spring at thoroughly & also Spring westward.</p>	

Gyfting North Gardeners

July 28, 1912. LETTERS. Council, Mass.

Rec'd.	NAME.	Answered.
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The Tavern

Lane perfectly clean } also

Dark green by brown " } Oakbark.

Some trouble in long-stem pine "

Work to be done in 1913.

Spraying. Have Pine cut brown-tan
across river, on Ball's & Blackman
Ridge, oaks by Spring & at Tavern &
at Berry pasture. Have been spraying
only on Pine Hill & along at Tavern.
Have Dwarfs spray along cut road
from Tavern to Benson's & the
whole of Birch Field.

Tanglefoot (Pine) big trees across
road, big oak E. of Ball's Hill, 3
oaks west of hill, pines on Davis
Hill, Oaks near Spring & in
road below porch outback at Tavern.

Roses at D. C. French's

June 1912.

Ulrich's Brunner. Cherry red.

Mrs. John Loring. Soft pink

Conrad Mayer. Silvery "

Elva Zambra - Red.

xx Pierre Camille de Rohan. Dark
velvety red.

xx Fran Karl Dressler. Very white

xx Persian Yellow

(All the above come from
Harford's nursery. They are
the best roses I ever saw.)

Winter-flowering bulbs strongly
recommended by Dr. Gebang

* Tulip "Jules Janin"

Narcissus Poetas Profusion
" " Triumph

Bats in the Capt at Farm

May 4. Four (Ten first)

" 7. "

